

Rapport

MANAGER - HELIOS II
14/06/2013

Module LIVRAISONS

Sommaire

1 Diagrammes MPD.....	3
1.1 Diagramme du Package LIVRAISONS.....	3
1.1.1 Diagramme LIVRAISON.....	3
2 Objets des diagrammes physiques.....	4
2.1 Information sur les tables du Package LIVRAISONS.....	4
2.1.1 Liste des tables.....	4
2.1.2 Table BL.....	5
2.1.3 Table BL_CHAMP.....	5
2.1.4 Table BL_DOC.....	5
2.1.5 Table BL_LG.....	6
2.1.6 Table BL_LG_CHAMP.....	6
2.1.7 Table BL_LG_FORMAT.....	7
2.1.8 Table BL_LISTE_FIC.....	7
2.1.9 Table CLIENT.....	7
2.1.10 Table CLI_AD_LIV.....	8
2.1.11 Table COND_TRANS.....	8
2.1.12 Table C_CMD_LG.....	8
2.1.13 Table C_CMD_LG_ACPT_LG.....	9
2.1.14 Table EMPLOYE.....	9
2.1.15 Table F_BL_LG_LISTE_FIC.....	9
2.1.16 Table F_BL_LISTE_FIC.....	10
2.1.17 Table OFS_LISTE_FIC.....	10
2.1.18 Table Q_RC_LISTE_FIC.....	10
2.1.19 Table SOCIETE.....	10
2.1.20 Table STOCK_ARTI_EOF.....	11
2.1.21 Table STOCK_ARTI_SBL.....	11
2.1.22 Table STOCK_COMP_EBL_LISTE_FIC.....	12
2.1.23 Table STOCK_MATI_EBL_LISTE_FIC.....	12
2.1.24 Table S_BL_LG_LISTE_FIC.....	12
2.1.25 Table S_BL_LISTE_FIC.....	12
2.1.26 Table UNITE.....	13
2.2 Vues.....	14
2.2.1 Vues au niveau du modèle.....	14
2.2.2 Informations sur les vues du Package LIVRAISONS.....	14

1.1.1 Diagramme LIVRAISON



2 Objets des diagrammes physiques

2.1 Information sur les tables du Package LIVRAISONS

2.1.1 Liste des tables

<i>Nom</i>	<i>Code</i>
Entêtes des BL	BL
Lignes des BL	BL_LG
Client	CLIENT
Adresses livraison client	CLI_AD_LIV
Lignes de commandes	C_CMD_LG
Employé	EMPLOYE
Société	SOCIETE
Condition de transport	COND_TRANS
BL_CHAMP	BL_CHAMP
BL_LG_CHAMP	BL_LG_CHAMP
Sortie Article BL	STOCK_ARTI_SBL
Entrée Article	STOCK_ARTI_EOF
BL_LG_FORMAT	BL_LG_FORMAT
Unité de forme	UNITE
C_CMD_LG_ACPT_LG	C_CMD_LG_ACPT_LG
BL_LISTE_FIC	BL_LISTE_FIC
BL_DOC	BL_DOC
OFS_LISTE_FIC	OFS_LISTE_FIC
S_BL_LISTE_FIC	S_BL_LISTE_FIC
F_BL_LISTE_FIC	F_BL_LISTE_FIC
STOCK_COMP_EBL_LISTE_FIC	STOCK_COMP_EBL_LISTE_FIC
STOCK_MATI_EBL_LISTE_FIC	STOCK_MATI_EBL_LISTE_FIC
S_BL_LG_LISTE_FIC	S_BL_LG_LISTE_FIC
F_BL_LG_LISTE_FIC	F_BL_LG_LISTE_FIC
Q_RC_LISTE_FIC	Q_RC_LISTE_FIC

2.1.2 Table BL**2.1.2.1 Liste des colonnes de la table BL**

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
N° BL	CD_BL	NUMBER(12)
Code client	CD_CLIENT	NUMBER(8)
Code adresse livraison	N_ADR_LIV	NUMBER(4)
Code société	CD_SOCIETE	NUMBER(4)
Code employé	CD_EMP_CRE	NUMBER(12)
Emp_Code employé	CD_EMP_MOD	NUMBER(12)
Signataire	CD_EMP_SIGNE	NUMBER(12)
CD_EMP_JAA	CD_EMP_JAA	NUMBER(12)
Id BL	ID_BL	CHAR(12)
Date de livraison	DATE_LIV	DATE
Statut	STATUT	CHAR(2)
BL sans facturation ?	BL_SS_FACT	NUMBER(1)
Commentaires	TEXTE_COM	VARCHAR2(4000)
Commentaires JAA	TEXTE_JAA	VARCHAR2(4000)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE
Inactif	INACTIF	NUMBER(1)
JAA de fabrication	STATUT_JAA_FAB	NUMBER(1)
JAA de réparation	STATUT_JAA_REP	NUMBER(1)
N_ITC	N_ITC	NUMBER(8)
N_MESS	N_MESS	NUMBER(10)
VMI	VMI	NUMBER(1)
CONSIGNATION	CONSIGNATION	NUMBER(1)
DATE_PREPA	DATE_PREPA	DATE
CD_EMP_PREPA	CD_EMP_PREPA	NUMBER(12)

2.1.3 Table BL_CHAMP**2.1.3.1 Liste des colonnes de la table BL_CHAMP**

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_BL	CD_BL	NUMBER(12)

2.1.4 Table BL_DOC**2.1.4.1 Liste des colonnes de la table BL_DOC**

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_BL	CD_BL	NUMBER(8)
N_DOC	N_DOC	NUMBER(4)
LIBELLE	LIBELLE	VARCHAR2(100)
NOM_FICHIER	NOM_FICHIER	VARCHAR2(255)
FICHIER	FICHIER	BLOB

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_STOCK_MATI_EBL	CD_STOCK_MATI_EBL	NUMBER(8)
N_LIGNE_MATI	N_LIGNE_MATI	NUMBER(4)
CD_STOCK_COMP_EBL	CD_STOCK_COMP_EBL	NUMBER(8)
N_LIGNE_COMP	N_LIGNE_COMP	NUMBER(4)
CD_OFS	CD_OFS	NUMBER(8)
N_LIGNE_OFS	N_LIGNE_OFS	NUMBER(4)
CD_F_BL	CD_F_BL	NUMBER(8)
N_LIGNE_F_BL	N_LIGNE_F_BL	NUMBER(4)
N_LIGNE_F_BL_LG	N_LIGNE_F_BL_LG	NUMBER(4)
LIG_BL_F_BL_LG	LIG_BL_F_BL_LG	NUMBER(4)
CD_S_BL	CD_S_BL	NUMBER(8)
N_LIGNE_S_BL	N_LIGNE_S_BL	NUMBER(4)
LIG_BL_S_BL_LG	LIG_BL_S_BL_LG	NUMBER(4)
N_LIGNE_S_BL_LG	N_LIGNE_S_BL_LG	NUMBER(4)
CD_BL_FIC	CD_BL_FIC	NUMBER(8)
N_LIGNE_BL_FIC	N_LIGNE_BL_FIC	NUMBER(4)
CD_Q_RC	CD_Q_RC	NUMBER(12)
N_LIGNE_Q_RC	N_LIGNE_Q_RC	NUMBER(4)

2.1.5 Table BL_LG

2.1.5.1 Liste des colonnes de la table BL_LG

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
N° BL	CD_BL	NUMBER(12)
N° ligne BL	NUM_LIGNE	NUMBER(4)
CD_CDI	CD_C_CMD	NUMBER(8)
N° ligne de commande interne	N_LIGNE	NUMBER(4)
Condition de transport	CD_COND_TRANS	NUMBER(4,0)
Code employé	CD_EMP_CRE	NUMBER(12)
Emp_Code employé	CD_EMP_MOD	NUMBER(12)
Qté livrée	QTE_LIVREE	NUMBER(7)
Qté facturée	QTE_FACT	NUMBER(7)
Attente de facturation ?	ATT_FACT	NUMBER(1)
Qté en attente de facturation	QTE_FACATT	NUMBER(7)
Notes	TEXTE_COM	VARCHAR2(4000)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE
Numéro de JAA	N_JAA	NUMBER(8)
CD_C_CMD_LG_ACPT	CD_C_CMD_LG_ACPT	NUMBER(12)
N_LIGNE_ACPT	N_LIGNE_ACPT	NUMBER(4)

2.1.6 Table BL_LG_CHAMP

2.1.6.1 Liste des colonnes de la table BL_LG_CHAMP

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_BL	CD_BL	NUMBER(12)
NUM_LIGNE	NUM_LIGNE	NUMBER(4)

2.1.7 Table BL_LG_FORMAT

2.1.7.1 Liste des colonnes de la table BL_LG_FORMAT

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_BL	CD_BL	NUMBER(12)
NUM_LIGNE	NUM_LIGNE	NUMBER(4)
CD_UNITE	CD_UNITE	NUMBER(4)
CD_EMP_CRE	CD_EMP_CRE	NUMBER(12)
CD_EMP_MOD	CD_EMP_MOD	NUMBER(12)
QTE_LIVREE	QTE_LIVREE	NUMBER(28,15)
QTE_LIVREE_U	QTE_LIVREE_U	NUMBER(7)
QTE_LIVREE_LG	QTE_LIVREE_LG	NUMBER(20,10)
QTE_LIVREE_LA	QTE_LIVREE_LA	NUMBER(20,10)
QTE_FACT	QTE_FACT	NUMBER(28,15)
QTE_FACTATT	QTE_FACTATT	NUMBER(28,15)
ATT_FACT	ATT_FACT	NUMBER(28,15)
DATE_CREAT	DATE_CREAT	DATE
DATE_MODIF	DATE_MODIF	DATE

2.1.8 Table BL_LISTE_FIC

2.1.8.1 Liste des colonnes de la table BL_LISTE_FIC

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_BL	CD_BL	NUMBER(8)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHIER	NOM_FICHIER	VARCHAR2(255)
FICHIER	FICHIER	BLOB
INACTIF	INACTIF	NUMBER(1)

2.1.9 Table CLIENT

2.1.9.1 Liste des colonnes de la table CLIENT

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Code client	CD_CLIENT	NUMBER(8)
Id client	ID_CLIENT	CHAR(8)
N° rang	N_RANG	NUMBER(2)
Prospect ?	PROSPECT	NUMBER(1)
Inactif ?	INACTIF	NUMBER(1)
Crédit assuré	CREDIT_ASS	NUMBER(16,6)
Crédit société	CREDIT_SOC	NUMBER(16,6)
Encours de commande non livré	ENCOURS_NON_LIV	NUMBER(16,6)

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Encours de commande facturé non réglé	ENCOURS_FACT_NON_REGLE	NUMBER(16,6)
Encours de commande non réglé	ENCOURS_NON_REGLE	NUMBER(16,6)
Numéro de priorité	N_PRIORITE	VARCHAR2(2)
Identifiant EDI	ID_EDI	VARCHAR2(35)
Identifiant EDI GreenLoop	ID_EDI_GL	VARCHAR2(35)
Notes	TEXTE_COM	VARCHAR2(4000)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE
N° de fournisseur EDI	N_FOURNEDI	VARCHAR2(10)

2.1.10 Table CLI_AD_LIV

2.1.10.1 Liste des colonnes de la table CLI_AD_LIV

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Code client	CD_CLIENT	NUMBER(8,0)
Code adresse livraison	N_ADR_LIV	NUMBER(4)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE

2.1.11 Table COND_TRANS

2.1.11.1 Liste des colonnes de la table COND_TRANS

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Code de transport	CD_COND_TRANS	NUMBER(4)
Créé par	CD_EMP_CRE	NUMBER(12)
Modifié par	CD_EMP_MOD	NUMBER(12)
Mode de transport	TRANSPORT	VARCHAR2(30)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE
Inactif	INACTIF	NUMBER(1)

2.1.12 Table C_CMD_LG

2.1.12.1 Liste des colonnes de la table C_CMD_LG

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_CDI	CD_C_CMD	NUMBER(8,0)
N° ligne de commande interne	N_LIGNE	NUMBER(4)
N° de poste chez le client	N_PO_CLI	VARCHAR2(6)
N° de dossier	N_DOSSIER	VARCHAR2(25)
Référence article spécial	REF_ARTI	VARCHAR2(40)
Désignation article spécial	DES_ARTI	VARCHAR2(40)
Date de livraison	DATE_LIV	DATE
Date de livraison planifiée	DATE_LIVPL	DATE
Article spécial ?	SPEC_ARTI	SI

Nom	Code	Type de données
Approvisionnement client ?	APPRO_CLI	SI
Qté en commande	QTE_CMDEE	NUMBER(7,0)
Prix unitaire	PRIX_UNIT	NUMBER(16,6)
Qté lancée	QTE_LANCEE	NUMBER(7,0)
Qté réservée	QTE_RESER	NUMBER(7,0)
Qté livrée	QTE_LIVREE	NUMBER(7,0)
Qté en attente de livraison	QTE_LIVATT	NUMBER(7,0)
Qté sans facturation	QTE_SSFACT	NUMBER(7,0)
Qté facturée	QTE_FACT	NUMBER(7,0)
Soldée ?	SOLDEE	SI
Commentaires	TEXTE_COM	VARCHAR2(1)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE
Ligne créée manuellement	MANUELLE	SI

2.1.13 Table C_CMD_LG_ACPT_LG

2.1.13.1 Liste des colonnes de la table C_CMD_LG_ACPT_LG

Nom	Code	Type de données
CD_C_CMD_LG_ACPT	CD_C_CMD_LG_ACPT	NUMBER(12)
N_LIGNE	N_LIGNE	NUMBER(4)
CD_TYPE_ACPT	CD_TYPE_ACPT	NUMBER(4)
CD_EMP_CRE	CD_EMP_CRE	NUMBER(12)
CD_EMP_MOD	CD_EMP_MOD	NUMBER(12)
DATE_ACPT	DATE_ACPT	DATE
BL	BL	NUMBER(1)
MTT_HT	MTT_HT	NUMBER(20,10)
MTT_TVA	MTT_TVA	NUMBER(20,10)
NOTES	NOTES	VARCHAR2(4000)
DATE_CREAT	DATE_CREAT	DATE
DATE_MODIF	DATE_MODIF	DATE

2.1.14 Table EMPLOYE

2.1.14.1 Liste des colonnes de la table EMPLOYE

Nom	Code	Type de données
Code employé	CD_EMPLOYE	NUMBER(12)
Nom ou Raison sociale	NOM	VARCHAR2(40)
Prénom	PRENOM	VARCHAR2(40)

2.1.15 Table F_BL_LG_LISTE_FIC

2.1.15.1 Liste des colonnes de la table F_BL_LG_LISTE_FIC

Nom	Code	Type de données
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<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_F_BL	CD_F_BL	NUMBER(8)
LIG_BL	LIG_BL	NUMBER(4)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHER	NOM_FICHER	VARCHAR2(255)
FICHER	FICHER	BLOB
INACTIF	INACTIF	NUMBER(1)

2.1.16 Table F_BL_LISTE_FIC

2.1.16.1 Liste des colonnes de la table F_BL_LISTE_FIC

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_F_BL	CD_F_BL	NUMBER(8)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHER	NOM_FICHER	VARCHAR2(255)
FICHER	FICHER	BLOB
INACTIF	INACTIF	NUMBER(1)

2.1.17 Table OFS_LISTE_FIC

2.1.17.1 Liste des colonnes de la table OFS_LISTE_FIC

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_OFS	CD_OFS	NUMBER(12)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHER	NOM_FICHER	VARCHAR2(255)
FICHER	FICHER	BLOB
INACTIF	INACTIF	NUMBER(1)

2.1.18 Table Q_RC_LISTE_FIC

2.1.18.1 Liste des colonnes de la table Q_RC_LISTE_FIC

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_Q_RC	CD_Q_RC	NUMBER(12)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHER	NOM_FICHER	VARCHAR2(255)
FICHER	FICHER	BLOB
INACTIF	INACTIF	NUMBER(1)

2.1.19 Table SOCIETE

2.1.19.1 Liste des colonnes de la table SOCIETE

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Code société	CD_SOCIETE	NUMBER(4)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Inactif	INACTIF	NUMBER(1)
Abréviation	ABREV	VARCHAR2(10)
Effectif	EFFECTIF	NUMBER(7)
N° TVA CEE	TVA_CEE	VARCHAR2(25)
Chemin accès BD réseau	BD_NET	VARCHAR2(60)
Code société en comptabilité	CODE_SOC	CHAR(8)
Logo de la société	LOGO	LONG RAW
Forme juridique	FRM_JURIDI	VARCHAR2(40)
Registre du commerce	REG_COMMER	VARCHAR2(40)
Code APE	CODE_APE	VARCHAR2(40)
Mode de TVA	MODE_TVA	CHAR(1)

2.1.20 Table STOCK_ARTI_EOF

2.1.20.1 Liste des colonnes de la table STOCK_ARTI_EOF

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Code entrée article sur OF	CD_STOCK_ARTI_EOF	NUMBER(8)
N° OF	CD_OFS	NUMBER(12)
Code article	CD_ARTICLE	NUMBER(8)
Emp_Code employé	CD_EMP_CRE	NUMBER(12)
Code employé	CD_EMP_MOD	NUMBER(12)
IND_OF_E	IND_OF_E	CHAR(19)
Quantité entrée	QTE_E	NUMBER(7)
Date entrée	DATE_E	DATE
Date péremption	DATE_PEREM	DATE
Quantité sortie	QTE_S	NUMBER(7)
Commentaires	TEXTE_COM	VARCHAR2(4000)
Situation	SITUATION	CHAR(20)
VALEUR	VALEUR	NUMBER(28,15)
VALEUR_ENCOURS	VALEUR_ENCOURS	NUMBER(28,15)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE

2.1.21 Table STOCK_ARTI_SBL

2.1.21.1 Liste des colonnes de la table STOCK_ARTI_SBL

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Sortie sur BL	CD_STOCK_ARTI_SBL	NUMBER(8)
Code entrée article sur OF	CD_STOCK_ARTI_EOF	NUMBER(8)
Numéro de BL	CD_BL	NUMBER(12,0)
N° ligne BL	NUM_LIGNE	NUMBER(4)
Emp_Code employé	CD_EMP_CRE	NUMBER(12)
Code employé	CD_EMP_MOD	NUMBER(12)
Quantité sortie	QTE_S	NUMBER(7)

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Date sortie	DATE_S	DATE
Commentaires	TEXTE_COM	VARCHAR2(4000)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE

2.1.22 Table STOCK_COMP_EBL_LISTE_FIC

2.1.22.1 Liste des colonnes de la table STOCK_COMP_EBL_LISTE_FIC

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_STOCK_COMP_EBL	CD_STOCK_COMP_EBL	NUMBER(12)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHER	NOM_FICHER	VARCHAR2(255)
FICHER	FICHER	BLOB
INACTIF	INACTIF	NUMBER(1)

2.1.23 Table STOCK_MATI_EBL_LISTE_FIC

2.1.23.1 Liste des colonnes de la table STOCK_MATI_EBL_LISTE_FIC

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_STOCK_MATI_EBL	CD_STOCK_MATI_EBL	NUMBER(12)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHER	NOM_FICHER	VARCHAR2(255)
FICHER	FICHER	BLOB
INACTIF	INACTIF	NUMBER(1)

2.1.24 Table S_BL_LG_LISTE_FIC

2.1.24.1 Liste des colonnes de la table S_BL_LG_LISTE_FIC

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_S_BL	CD_S_BL	NUMBER(8)
LIG_BL	LIG_BL	NUMBER(4)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHER	NOM_FICHER	VARCHAR2(255)
FICHER	FICHER	BLOB
INACTIF	INACTIF	NUMBER(1)

2.1.25 Table S_BL_LISTE_FIC

2.1.25.1 Liste des colonnes de la table S_BL_LISTE_FIC

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
CD_S_BL	CD_S_BL	NUMBER(8)
N_LIGNE	N_LIGNE	NUMBER(4)
NOM_FICHER	NOM_FICHER	VARCHAR2(255)
FICHER	FICHER	BLOB

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
INACTIF	INACTIF	NUMBER(1)

2.1.26 Table UNITE

2.1.26.1 Liste des colonnes de la table UNITE

<i>Nom</i>	<i>Code</i>	<i>Type de données</i>
Code unité mesure	CD_UNITE	NUMBER(4)
Date de création	DATE_CREAT	DATE
Date de modification	DATE_MODIF	DATE
Inactif	INACTIF	NUMBER(1)
Abreviation	ABREV	VARCHAR2(5)
Coeff multiplicateur	COEFF_MULT	NUMBER(14,9)
Valeur par défaut	VAL_DEF	NUMBER(1)

2.2 Vues

2.2.1 Vues au niveau du modèle

2.2.2 Informations sur les vues du Package LIVRAISONS

2.2.2.1 Vue VUE_BL_EDI

2.2.2.1.1 Requête SQL de la vue VUE_BL_EDI

```
SELECT
2 "TYPE_EDI",
STOCK_ARTI_SBL.CD_STOCK_ARTI_SBL "CD_STOCK_ARTI_SBL",
STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF "CD_STOCK_ARTI_EOF",
STOCK_ARTI_EOF.CD_OFS "STOCK_ARTI_EOF_CD_OFS",
STOCK_ARTI_EOF.CD_ARTICLE "STOCK_ARTI_EOF_CD_ARTICLE",
STOCK_ARTI_EOF.IND_OF_E "STOCK_ARTI_EOF_IND_OF_E",
STOCK_ARTI_EOF.QTE_E "STOCK_ARTI_EOF_QTE_E",
STOCK_ARTI_EOF.DATE_E "STOCK_ARTI_EOF_DATE_E",
STOCK_ARTI_EOF.DATE_PEREM "STOCK_ARTI_EOF_DATE_PEREM",
STOCK_ARTI_EOF.QTE_S "STOCK_ARTI_EOF_QTE_S",
STOCK_ARTI_EOF.TEXTE_COM "STOCK_ARTI_EOF_TEXTE_COM",
STOCK_ARTI_EOF.SITUATION "STOCK_ARTI_EOF_SITUATION",
STOCK_ARTI_EOF.VALEUR "STOCK_ARTI_EOF_VALEUR",
STOCK_ARTI_EOF.VALEUR_ENCOURS "VALEUR_ENCOURS",
BL.CD_BL "BL_CD_BL",
CLIENT.CD_CLIENT "CLIENT_CD_CLIENT",
CLIENT.ID_CLIENT "CLIENT_ID_CLIENT",
CLIENT.N_RANG "CLIENT_N_RANG",
CLIENT.PROSPECT "CLIENT_PROSPECT",
CLIENT.INACTIF "CLIENT_INACTIF",
CLIENT.CREDIT_ASS "CLIENT_CREDIT_ASS",
CLIENT.CREDIT_SOC "CLIENT_CREDIT_SOC",
CLIENT.ENCOURS_NON_LIV "CLIENT_ENCOURS_NON_LIV",
CLIENT.ENCOURS_FACT_NON_REGLE "CLIENT_ENCOURS_FACT_NON_REGLE",
CLIENT.ENCOURS_NON_REGLE "CLIENT_ENCOURS_NON_REGLE",
CLIENT.N_PRIORITE "CLIENT_N_PRIORITE",
CLIENT.ID_ED_I "CLIENT_ID_ED_I",
CLIENT.ID_ED_I_GL "CLIENT_ID_ED_I_GL",
CLIENT.TEXTE_COM "CLIENT_TEXTE_COM",
CLIENT.N_FOURNEDI "CLIENT_N_FOURNEDI",
BL.CD_CLIENT "CLI_AD_LIV_CD_CLIENT",
BL.N_ADR_LIV "CLI_AD_LIV_N_ADR_LIV",
BL.CD_SOCIETE "BL_CD_SOCIETE",
BL.CD_EMP_SIGNE "BL_CD_EMP_SIGNE",
BL.CD_EMP_JAA "BL_CD_EMP_JAA",
BL.ID_BL "BL_ID_BL",
NVL(BL.DATE_EXP, BL.DATE_LIV) "BL.DATE_EXP",
NVL(BL.TRANSIT, 0) "BL.TRANSIT",
BL.DATE_LIV "BL_DATE_LIV",
BL.STATUT "BL_STATUT",
BL.BL_SS_FACT "BL_BL_SS_FACT",
BL.TEXTE_COM "BL_TEXTE_COM",
(SELECT length(TEXTE_COM) FROM BL B WHERE B.CD_BL = BL.CD_BL) "TAILLE",
BL.TEXTE_JAA "BL_TEXTE_JAA",
BL.INACTIF "BL_INACTIF",
BL.STATUT_JAA_FAB "BL_STATUT_JAA_FAB",
BL.STATUT_JAA_REP "BL_STATUT_JAA_REP",
BL_LG.NUM_LIGNE "BL_LG_NUM_LIGNE",
C_CMD_LG.CD_C_CMD "C_CMD_LG_CD_C_CMD",
```

```
C_CMD_LG.N_LIGNE "C_CMD_LG_N_LIGNE",
C_CMD_LG.N_PO_CLI "C_CMD_LG_N_PO_CLI",
C_CMD_LG.N_DOSSIER "C_CMD_LG_N_DOSSIER",
C_CMD_LG.REF_ARTI "C_CMD_LG_REF_ARTI",
C_CMD_LG.DES_ARTI "C_CMD_LG_DES_ARTI",
C_CMD_LG.DATE_LIV "C_CMD_LG_DATE_LIV",
C_CMD_LG.DATE_LIVPL "C_CMD_LG_DATE_LIVPL",
C_CMD_LG.SPEC_ARTI "C_CMD_LG_SPEC_ARTI",
C_CMD_LG.APPRO_CLI "C_CMD_LG_APPRO_CLI",
C_CMD_LG.QTE_CMDEE "C_CMD_LG_QTE_CMDEE",
C_CMD_LG.PRIX_UNIT "C_CMD_LG_PRIX_UNIT",
C_CMD_LG.QTE_LANCEE "C_CMD_LG_QTE_LANCEE",
C_CMD_LG.QTE_RESER "C_CMD_LG_QTE_RESER",
C_CMD_LG.QTE_LIVREE "C_CMD_LG_QTE_LIVREE",
C_CMD_LG.QTE_LIVATT "C_CMD_LG_QTE_LIVATT",
C_CMD_LG.QTE_SSFACT "C_CMD_LG_QTE_SSFACT",
C_CMD_LG.QTE_FACT "C_CMD_LG_QTE_FACT",
C_CMD_LG.SOLDEE "C_CMD_LG.SOLDEE",
C_CMD_LG.TEXTE_COM "C_CMD_LG_TEXTE_COM",
C_CMD_LG.MANUELLE "C_CMD_LG.MANUELLE",
BL_LG.CD_COND_TRANS "BL_LG_CD_COND_TRANS",
BL_LG.QTE_LIVREE "BL_LG_QTE_LIVREE",
BL_LG.QTE_FACT "BL_LG_QTE_FACT",
BL_LG.ATT_FACT "BL_LG_ATT_FACT",
BL_LG.QTE_FACATT "BL_LG_QTE_FACATT",
BL_LG.TEXTE_COM "BL_LG_TEXTE_COM",
BL_LG.N_JAA "BL_LG_N_JAA",
OFS.ID_OFS "OFS_ID_OFS",
DECODE(OFS.CD_OFS, 0, ARTICLE.ID_ARTICLE, OFS.ARTICLE.ID_ARTICLE) "ARTICLE_ID",
DECODE(OFS.CD_OFS, 0, ARTICLE.REF, OFS.ARTICLE.REF) "ARTICLE_REF",
DECODE(OFS.CD_OFS, 0, ARTICLE.LIBELLE, OFS.ARTICLE.LIBELLE) "ARTICLE_LIB",
DECODE(OFS.CD_OFS, 0, ARTICLE.REF_CLI, OFS.ARTICLE.REF_CLI) "ARTICLE_REF_CLI",
C_CMD.FTX "C_CMD_FTX",
C_CMD.N_CMD_CLI "C_CMD_N_CMD_CLI",
0 as "POIDS_UX",
0 as "NB_UE",
(SELECT SUM(DECODE(NVL(ARTICLE.NB_ARTCOLI,0), 0, STOCK_ARTI_SBL.QTE_S * NVL(ARTICLE.PDS_UNIT,0)
+ NVL(PDS_COLIS,0), STOCK_ARTI_SBL.QTE_S * NVL(ARTICLE.PDS_UNIT,0) + CEIL(STOCK_ARTI_SBL.QTE_S /
ARTICLE.NB_ARTCOLI) * NVL(ARTICLE.PDS_COLIS,0))) FROM STOCK_ARTI_SBL, STOCK_ARTI_EOF, ARTICLE
WHERE ARTICLE.CD_ARTICLE = STOCK_ARTI_EOF.CD_ARTICLE AND STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF
= STOCK_ARTI_SBL.CD_STOCK_ARTI_EOF AND STOCK_ARTI_SBL.CD_BL = BL_LG.CD_BL AND
STOCK_ARTI_SBL.NUM_LIGNE = BL_LG.NUM_LIGNE ) AS "POIDS_UE",
STOCK_ARTI_SBL.QTE_S "STOCK_ARTI_SBL_QTE_S",
STOCK_ARTI_SBL.DATE_S "STOCK_ARTI_SBL_DATE_S",
STOCK_ARTI_SBL.TEXTE_COM "STOCK_ARTI_SBL_TEXTE_COM"
FROM STOCK_ARTI_SBL,
STOCK_ARTI_EOF,
OFS,
ARTICLE,
OFS_ARTICLE,
BL_LG,
BL,
CLIENT,
CLI_AD_LIV,
C_CMD,
C_CMD_LG
WHERE STOCK_ARTI_SBL.CD_STOCK_ARTI_EOF = STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF
AND BL.CD_CLIENT = CLIENT.CD_CLIENT
AND BL.CD_CLIENT = CLI_AD_LIV.CD_CLIENT
AND BL.N_ADR_LIV = CLI_AD_LIV.N_ADR_LIV
AND BL_LG.CD_BL = BL.CD_BL
AND BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD
AND BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE
```

```
AND BL_LG.CD_C_CMD = C_CMD.CD_C_CMD
AND STOCK_ARTI_EOF.CD_OFS = OFS.CD_OFS
AND OFS.CD_OFS_ARTICLE = OFS_ARTICLE.CD_OFS_ARTICLE
AND C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+)
AND STOCK_ARTI_SBL.CD_BL = BL_LG.CD_BL
AND STOCK_ARTI_SBL.NUM_LIGNE = BL_LG.NUM_LIGNE
UNION ALL
SELECT
1 "TYPE_EDI",
0 "CD_STOCK_ARTI_SBL",
0 "CD_STOCK_ARTI_EOF",
0 "STOCK_ARTI_EOF_CD_OFS",
0 "STOCK_ARTI_EOF_CD_ARTICLE",
" "STOCK_ARTI_EOF_IND_OF_E",
0 "STOCK_ARTI_EOF_QTE_E",
BL.DATE_CREAT "STOCK_ARTI_EOF_DATE_E",
BL.DATE_CREAT "STOCK_ARTI_EOF_DATE_PEREM",
0 "STOCK_ARTI_EOF_QTE_S",
" "STOCK_ARTI_EOF_TEXTE_COM",
" "STOCK_ARTI_EOF_SITUATION",
0 "STOCK_ARTI_EOF_VALEUR",
0 "STOCK_ARTI_EOF_VALEUR_ENCOURS",
BL.CD_BL "BL_CD_BL",
CLIENT.CD_CLIENT "CLIENT_CD_CLIENT",
CLIENT.ID_CLIENT "CLIENT_ID_CLIENT",
CLIENT.N_RANG "CLIENT_N_RANG",
CLIENT.PROSPECT "CLIENT_PROSPECT",
CLIENT.INACTIF "CLIENT_INACTIF",
CLIENT.CREDIT_ASS "CLIENT_CREDIT_ASS",
CLIENT.CREDIT_SOC "CLIENT_CREDIT_SOC",
CLIENT.ENCOURS_NON_LIV "CLIENT_ENCOURS_NON_LIV",
CLIENT.ENCOURS_FACT_NON_REGLE "CLIENT_ENCOURS_FACT_NON_REGLE",
CLIENT.ENCOURS_NON_REGLE "CLIENT_ENCOURS_NON_REGLE",
CLIENT.N_PRIORITE "CLIENT_N_PRIORITE",
CLIENT.ID_EDI "CLIENT_ID_EDI",
CLIENT.ID_EDI_GL "CLIENT_ID_EDI_GL",
CLIENT.TEXTE_COM "CLIENT_TEXTE_COM",
CLIENT.N_FOURNEDI "CLIENT_N_FOURNEDI",
BL.CD_CLIENT "CLI_AD_LIV_CD_CLIENT",
BL.N_ADR_LIV "CLI_AD_LIV_N_ADR_LIV",
BL.CD_SOCIETE "BL_CD_SOCIETE",
BL.CD_EMP_SIGNE "BL_CD_EMP_SIGNE",
BL.CD_EMP_JAA "BL_CD_EMP_JAA",
BL.ID_BL "BL_ID_BL",
NVL(BL.DATE_EXP, BL.DATE_LIV) "BL.DATE_EXP",
NVL(BL.TRANSIT, 0) "BL.TRANSIT",
BL.DATE_LIV "BL_DATE_LIV",
BL.STATUT "BL_STATUT",
BL.BL_SS_FACT "BL_BL_SS_FACT",
BL.TEXTE_COM "BL_TEXTE_COM",
0 "TAILLE",
BL.TEXTE_JAA "BL_TEXTE_JAA",
BL.INACTIF "BL_INACTIF",
BL.STATUT_JAA_FAB "BL.STATUT_JAA_FAB",
BL.STATUT_JAA_REP "BL.STATUT_JAA_REP",
0 "BL_LG_NUM_LIGNE",
0 "C_CMD_LG_CD_C_CMD",
0 "C_CMD_LG_N_LIGNE",
" "C_CMD_LG_N_PO_CLI",
" "C_CMD_LG_N_DOSSIER",
" "C_CMD_LG_REF_ARTI",
" "C_CMD_LG_DES_ARTI",
NULL "C_CMD_LG_DATE_LIV",
```

```

NULL "C_CMD_LG_DATE_LIVPL",
0 "C_CMD_LG_SPEC_ARTI",
0 "C_CMD_LG_APPRO_CLI",
0 "C_CMD_LG_QTE_CMDEE",
0 "C_CMD_LG_PRIX_UNIT",
0 "C_CMD_LG_QTE_LANCEE",
0 "C_CMD_LG_QTE_RESER",
0 "C_CMD_LG_QTE_LIVREE",
0 "C_CMD_LG_QTE_LIVATT",
0 "C_CMD_LG_QTE_SSFACT",
0 "C_CMD_LG_QTE_FACT",
0 "C_CMD_LG.SOLDEE",
" "C_CMD_LG_TEXTE_COM",
0 "C_CMD_LG.MANUELLE",
0 "BL_LG_CD_COND_TRANS",
0 "BL_LG_QTE_LIVREE",
0 "BL_LG_QTE_FACT",
0 "BL_LG_ATT_FACT",
0 "BL_LG_QTE_FACATT",
" "BL_LG_TEXTE_COM",
NULL "BL_LG_N_JAA",
" "OFS_ID_OFS",
" "ARTICLE_ID",
" "ARTICLE_REF",
" "ARTICLE_LIB",
" "ARTICLE_REF_CLI",
(SELECT MIN(C_CMD.FTX)
  FROM C_CMD, C_CMD_LG, BL_LG
  WHERE C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD
        AND C_CMD_LG.CD_C_CMD = BL_LG.CD_C_CMD
        AND C_CMD_LG.N_LIGNE = BL_LG.N_LIGNE
        AND BL_LG.CD_BL = BL.CD_BL ) "C_CMD_FTX",

" as "C_CMD_N_CMD_CLI",
(SELECT SUM(DECODE(ARTICLE.NB_ARTCOLI,
                                0,
                                BL_LG.QTE_LIVREE * NVL(ARTICLE.PDS_UNIT,0) +
                                NVL(PDS_COLIS,0),
                                BL_LG.QTE_LIVREE* NVL(ARTICLE.PDS_UNIT,0) +
                                CEIL(BL_LG.QTE_LIVREE / ARTICLE.NB_ARTCOLI) * NVL(ARTICLE.PDS_COLIS, 0)
                                )
  FROM BL_LG, C_CMD_LG, ARTICLE
  WHERE ARTICLE.CD_ARTICLE = C_CMD_LG.CD_ARTICLE
        AND C_CMD_LG.CD_C_CMD = BL_LG.CD_C_CMD
        AND C_CMD_LG.N_LIGNE = BL_LG.N_LIGNE
        AND BL_LG.CD_BL = BL.CD_BL
) AS "POIDS_UX",
(SELECT COUNT(*)
  FROM BL_LG, STOCK_ARTI_SBL
  WHERE STOCK_ARTI_SBL.CD_BL = BL_LG.CD_BL
        AND STOCK_ARTI_SBL.NUM_LIGNE = BL_LG.NUM_LIGNE
        AND BL.CD_BL = BL_LG.CD_BL
) AS "NB_UE",
0 as "POIDS_UE",
0 "STOCK_ARTI_SBL_QTE_S",
NULL "STOCK_ARTI_SBL_DATE_S",
" "STOCK_ARTI_SBL_TEXTE_COM"
FROM BL, CLIENT
WHERE BL.CD_CLIENT = CLIENT.CD_CLIENT

```

2.2.2.2 Vue VUE_BL_OFS_SERIE

2.2.2.2.1 Requête SQL de la vue VUE_BL_OFS_SERIE

```

SELECT
    DET.NIVEAU,
    BL.CD_BL,
    DET.ID_OFS,
    DET.ID_N_INDIV,
    DET.ID_OFS_FILS,
    DET.ID_N_INDIV_FILS,
    DET.ID_ARTICLE,
    DET.REF,
    DET.REF_CLI,
    DET.CLASSE_CLI,
    DET.LIBELLE,
    DET.ID_ARTICLE_FILS,
    DET.REF_FILS,
    DET.REF_CLI_FILS,
    DET.CLASSE_CLI_FILS,
    DET.LIBELLE_FILS,
    DET.QTE_S
FROM BL,
(
select LEVEL as NIVEAU,
    ofs.id_ofs as ID_OFS,
    ofs.cd_ofs as CD_OFS,
    ofs_serie.id_n_indiv as ID_N_INDIV,
    ofs_fils.id_ofs as ID_OFS_FILS,
    ofs_fils.cd_ofs as CD_OFS_FILS,
    ofs_serie_fils.id_n_indiv as ID_N_INDIV_FILS,
    ofs_serie.cd_bl as CD_BL,
    ofs_article.cd_article as CD_ARTICLE,
    ofs_article.id_article as ID_ARTICLE,
    ofs_article.ref as REF,
    ofs_article.ref_cli as REF_CLI,
    ofs_article.classe_cli as CLASSE_CLI,
    ofs_article.libelle as LIBELLE,
    ofs_article_fils.cd_article as CD_ARTICLE_FILS,
    ofs_article_fils.id_article as ID_ARTICLE_FILS,
    ofs_article_fils.ref as REF_FILS,
    ofs_article_fils.ref_cli as REF_CLI_FILS,
    ofs_article_fils.classe_cli as CLASSE_CLI_FILS,
    ofs_article_fils.libelle as LIBELLE_FILS,
    1 as QTE_S
from ofs, ofs_serie, ofs_article, ofs_ofs_fils, ofs_serie_fils, ofs_article_fils
where ofs.cd_ofs = ofs_serie.cd_ofs
    and ofs.cd_ofs_article = ofs_article.cd_ofs_article
    and ofs_serie.cd_ofs = ofs_serie_fils.cd_ofs_sortie (+)
    and ofs_serie.n_indiv = ofs_serie_fils.n_indiv_s (+)
    and ofs_fils.cd_ofs (+)= ofs_serie_fils.cd_ofs
    and ofs_fils.cd_ofs_article = ofs_article_fils.cd_ofs_article (+)
START WITH ofs_serie.cd_bl > 0
CONNECT BY ofs_serie.cd_ofs = PRIOR ofs_serie_fils.cd_ofs
    AND ofs_serie.n_indiv = PRIOR ofs_serie_fils.n_indiv
UNION
SELECT
    LEVEL as NIVEAU,
    OFS_PERE.ID_OFS ,
    OFS_PERE.CD_OFS ,
    " as ID_N_INDIV,
    OFS_FILS.ID_OFS as ID_OFS_FILS,
    OFS_FILS.CD_OFS as CD_OFS_FILS,
    " as ID_N_INDIV_FILS,

```

```

SBL.cd_bl,
ofs_article.cd_article as CD_ARTICLE,
ofs_article.id_article as ID_ARTICLE,
ofs_article.ref as REF,
ofs_article.ref_cli as REF_CLI,
ofs_article.classe_cli as CLASSE_CLI,
ofs_article.libelle as LIBELLE,
ofs_article_fils.cd_article as CD_ARTICLE_FILS,
DECODE(STOCK_ARTI_EOF.CD_OFS, 0, article.id_article, ofs_article_fils.id_article) as
ID_ARTICLE_FILS,
DECODE(STOCK_ARTI_EOF.CD_OFS, 0, article.ref, ofs_article_fils.ref) as REF_FILS,
DECODE(STOCK_ARTI_EOF.CD_OFS, 0, article.ref_cli, ofs_article_fils.ref_cli) as REF_CLI_FILS,
DECODE(STOCK_ARTI_EOF.CD_OFS, 0, article.classe_cli, ofs_article_fils.classe_cli) as
CLASSE_CLI_FILS,
DECODE(STOCK_ARTI_EOF.CD_OFS, 0, article.libelle, ofs_article_fils.libelle) as LIBELLE_FILS,
SBL.QTE_S as QTE_S
FROM STOCK_ARTI_EOF, STOCK_ARTI_EOF EOF, STOCK_ARTI_SBL SBL, STOCK_ARTI_SOF, OFS
OFS_PERE, OFS OFS_FILS, OFS_ARTICLE, OFS_ARTICLE OFS_ARTICLE_FILS, ARTICLE
WHERE SBL.CD_STOCK_ARTI_EOF = EOF.CD_STOCK_ARTI_EOF AND
EOF.CD_OFS = OFS_PERE.CD_OFS AND
OFS_PERE.CD_OFS_ARTICLE = OFS_ARTICLE.CD_OFS_ARTICLE AND
OFS_PERE.CD_OFS = STOCK_ARTI_SOF.CD_OFS AND
STOCK_ARTI_SOF.CD_STOCK_ARTI_EOF = STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF AND
STOCK_ARTI_EOF.CD_OFS = OFS_FILS.CD_OFS AND
STOCK_ARTI_EOF.CD_ARTICLE = ARTICLE.CD_ARTICLE AND
OFS_FILS.CD_OFS_ARTICLE = OFS_ARTICLE_FILS.CD_OFS_ARTICLE AND
NOT EXISTS (SELECT 1 FROM OFS_SERIE WHERE CD_OFS = OFS_FILS.CD_OFS) AND
ofs_pere.cd_ofs > 0
START WITH sbl.cd_bl = ( select bl.cd_bl from bl where sbl.cd_bl = bl.cd_bl) AND ofs_pere.cd_ofs > 0
CONNECT BY ofs_pere.cd_ofs = PRIOR ofs_fils.cd_ofs AND ofs_pere.cd_ofs > 0
) DET
WHERE BL.CD_BL = NVL(DET.CD_BL, BL.CD_BL)

```

2.2.2.3 Vue VUE_CCMD_LIVRABLE

2.2.2.3.1 Requête SQL de la vue VUE_CCMD_LIVRABLE

```

select C_CMD.CD_C_CMD "C_CMD.CD_C_CMD",
C_CMD.CD_MONNAIE "C_CMD.CD_MONNAIE",
C_CMD.CD_H_MONNAIE "C_CMD.CD_H_MONNAIE",
C_CMD.CD_COND_REG "C_CMD.CD_COND_REG",
C_CMD.CD_TYPE_TVA "C_CMD.CD_TYPE_TVA",
MONNAIE.ABREV "MONNAIE.ABREV",
CLIENT.CD_CLIENT "CLIENT_CD_CLIENT",
CLIENT.ID_CLIENT "CLIENT.ID_CLIENT",
CLIENT.NOM "CLIENT.NOM",
CLIENT.VILLE "CLIENT.VILLE",
CLIENT.N_RANG "CLIENT.N_RANG",
CLIENT.PROSPECT "CLIENT.PROSPECT",
CLIENT.INACTIF "CLIENT_INACTIF",
CLIENT.CREDIT_ASS "CLIENT.CREDIT_ASS",
CLIENT.CREDIT_SOC "CLIENT.CREDIT_SOC",
CLIENT.ENCOURS_NON_LIV "CLIENT.ENCOURS_NON_LIV",
CLIENT.ENCOURS_FACT_NON_REGLE "CLIENT.ENCOURS_FACT_NON_REGLE",
CLIENT.ENCOURS_NON_REGLE "CLIENT.ENCOURS_NON_REGLE",
CLIENT.N_PRIORITE "CLIENT.N_PRIORITE",
CLIENT.ID_EDI "CLIENT.ID_EDI",
CLIENT.ID_EDI_GL "CLIENT.ID_EDI_GL",
CLIENT.TEXTE_COM "CLIENT_TEXTE_COM",
CLIENT.DATE_CREAT "CLIENT_DATE_CREAT",
CLIENT.DATE_MODIF "CLIENT_DATE_MODIF",
CLIENT.E_MAIL "CLIENT.E_MAIL",
CLIENT.SITE_WEB "CLIENT.SITE_WEB",

```

CLIENT.N_FOURNEDI "CLIENT.N_FOURNEDI",
C_CMD.CD_QUALITE "C_CMD.CD_QUALITE",
C_CMD.N_ADR_FAC "C_CMD.N_ADR_FAC",
C_CMD.N_ADR_LIV "C_CMD.N_ADR_LIV",
C_CMD.N_CONTACT "C_CMD.N_CONTACT",
C_CMD.CD_SOCIETE "C_CMD.CD_SOCIETE",
C_CMD.CD_EMP_VALID "C_CMD.CD_EMP_VALID",
C_CMD.CD_EMP_CRE "C_CMD.CD_EMP_CRE",
C_CMD.CD_EMP_MOD "C_CMD.CD_EMP_MOD",
C_CMD.ID_C_CMD "C_CMD.ID_C_CMD",
C_CMD.ID_ANNEE "C_CMD.ID_ANNEE",
C_CMD.N_CMD_CLI "C_CMD.N_CMD_CLI",
C_CMD.DATE_CMD "C_CMD.DATE_CMD",
C_CMD.TVA "C_CMD.TVA",
C_CMD.CD_REVUE "C_CMD.CD_REVUE",
C_CMD.STATUT "C_CMD.STATUT",
C_CMD.FRAIS_TRANS "C_CMD.FRAIS_TRANS",
C_CMD.MONTANT "C_CMD.MONTANT",
C_CMD.VALIDEE "C_CMD.VALIDEE",
C_CMD.DATE_CREAT "C_CMD.DATE_CREAT",
C_CMD.DATE_MODIF "C_CMD.DATE_MODIF",
C_CMD.LIBREAUN "C_CMD.LIBREAUN",
C_CMD.INACTIF "C_CMD.INACTIF",
C_CMD_LG.N_LIGNE "C_CMD_LG.N_LIGNE",
C_CMD_LG.CD_C_CMD_LG_TYPE "C_CMD_LG.CD_C_CMD_LG_TYPE",
C_CMD_LG.CD_CLIENT "C_CMD_LG.CD_CLIENT",
ARTICLE.CD_ARTICLE "ARTICLE.CD_ARTICLE",
ARTICLE.ID_ARTICLE "ARTICLE.ID_ARTICLE",
ARTICLE.LIBELLE "ARTICLE.LIBELLE",
ARTICLE.REF "ARTICLE.REF",
ARTICLE.REF_EPUREE "ARTICLE.REF_EPUREE",
ARTICLE.REF_CLI "ARTICLE.REF_CLI",
ARTICLE.PRIX_UNIT "ARTICLE.PRIX_UNIT",
ARTICLE.CLASSE_CLI "ARTICLE.CLASSE_CLI",
ARTICLE.TEXTE_COM "ARTICLE.TEXTE_COM",
ARTICLE.REF_DROITE "ARTICLE.REF_DROITE",
ARTICLE.ARCHIVE "ARTICLE.ARCHIVE",
ARTICLE.ARTI_DEVIS "ARTICLE.ARTI_DEVIS",
ARTICLE.PRES_COMP "ARTICLE.PRES_COMP",
ARTICLE.PRES_MATI "ARTICLE.PRES_MATI",
ARTICLE.VALIDEE "ARTICLE.VALIDEE",
ARTICLE.PRODUIT "ARTICLE.PRODUIT",
ARTICLE.PROC_PREM "ARTICLE.PROC_PREM",
ARTICLE.RECALC_TPS "ARTICLE.RECALC_TPS",
ARTICLE.INACTIF "ARTICLE.INACTIF",
ARTICLE.N_INDIV "ARTICLE.N_INDIV",
ARTICLE.CUMUL_TPS "ARTICLE.CUMUL_TPS",
ARTICLE.DATE_CREAT "ARTICLE.DATE_CREAT",
ARTICLE.DATE_MODIF "ARTICLE.DATE_MODIF",
ARTICLE.LOT_ECO "ARTICLE.LOT_ECO",
ARTICLE.QTE_ECO "ARTICLE.QTE_ECO",
ARTICLE.N_CPT "ARTICLE.N_CPT",
ARTICLE.N_ANA "ARTICLE.N_ANA",
ARTICLE.VOL_UNIT "ARTICLE.VOL_UNIT",
ARTICLE.PDS_UNIT "ARTICLE.PDS_UNIT",
ARTICLE.NB_ARTCOLI "ARTICLE.NB_ARTCOLI",
ARTICLE.PDS_COLIS "ARTICLE.PDS_COLIS",
C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE "C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE",
C_CMD_LG_TYPE.LIBELLE "C_CMD_LG_TYPE.LIBELLE",
C_CMD_LG_TYPE.LIVRABLE "C_CMD_LG_TYPE.LIVRABLE",
C_CMD_LG.CD_COND_TRANS "C_CMD_LG.CD_COND_TRANS",
C_CMD_LG.CD_COND_PAIE "C_CMD_LG.CD_COND_PAIE",
C_CMD_LG.CD_EMP_CRE "C_CMD_LG.CD_EMP_CRE",

```

C_CMD_LG.CD_EMP_MOD "C_CMD_LG.CD_EMP_MOD",
C_CMD_LG.CD_EMP_SUIVI "C_CMD_LG.CD_EMP_SUIVI",
C_CMD_LG.N_PO_CLI "C_CMD_LG.N_PO_CLI",
C_CMD_LG.N_DOSSIER "C_CMD_LG.N_DOSSIER",
C_CMD_LG.REF_ARTI "C_CMD_LG.REF_ARTI",
C_CMD_LG.DES_ARTI "C_CMD_LG.DES_ARTI",
C_CMD_LG.DATE_LIV "C_CMD_LG.DATE_LIV",
C_CMD_LG.DATE_LIVPL "C_CMD_LG.DATE_LIVPL",
C_CMD_LG.SPEC_ARTI "C_CMD_LG.SPEC_ARTI",
C_CMD_LG.APPRO_CLI "C_CMD_LG.APPRO_CLI",
C_CMD_LG.QTE_CMDEE "C_CMD_LG.QTE_CMDEE",
C_CMD_LG.PRIX_UNIT "C_CMD_LG.PRIX_UNIT",
C_CMD_LG.QTE_LANCEE "C_CMD_LG.QTE_LANCEE",
C_CMD_LG.QTE_RESER "C_CMD_LG.QTE_RESER",
C_CMD_LG.QTE_LIVREE "C_CMD_LG.QTE_LIVREE",
C_CMD_LG.QTE_LIVATT "C_CMD_LG.QTE_LIVATT",
C_CMD_LG.QTE_SSFACT "C_CMD_LG.QTE_SSFACT",
C_CMD_LG.QTE_FACT "C_CMD_LG.QTE_FACT",
C_CMD_LG.SOLDEE "C_CMD_LG.SOLDEE",
C_CMD_LG.TEXTE_COM "C_CMD_LG.TEXTE_COM",
C_CMD_LG.DATE_CREAT "C_CMD_LG.DATE_CREAT",
C_CMD_LG.DATE_MODIF "C_CMD_LG.DATE_MODIF",
C_CMD_LG.MANUELLE "C_CMD_LG.MANUELLE",
C_CMD_LG.JAA_FORM_ONE "C_CMD_LG.JAA_FORM_ONE",
C_CMD_LG.LIBREAUN "C_CMD_LG.LIBREAUN",
C_CMD_LG.RANG "C_CMD_LG.RANG",
C_CMD_LG.DOUANE "C_CMD_LG.DOUANE",
C_CMD_LG.DATE_RECAL "C_CMD_LG.DATE_RECAL",
C_CMD_LG.QTE_NC "C_CMD_LG.QTE_NC",
NVL(C_CMD_LG.TRANSIT, 0) "C_CMD_LG.TRANSIT",
TO_DATE(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)) - NVL(C_CMD_LG.TRANSIT, 0)
"C_CMD_LG.DATE_EXP",
'U' "UNITE.ABREV",
NVL(( SELECT SUM(QTE_RES_STK) FROM ARTI_MANQUE WHERE CD_C_CMD = C_CMD_LG.CD_C_CMD AND
N_LIGNE = C_CMD_LG.N_LIGNE AND CD_ARTICLE = C_CMD_LG.CD_ARTICLE ),0) as "RESERVEE",
( SELECT NVL((QTE_STOCK - NVL(SEUIL_SECU, 0) - QTE_RES_STK), 0) FROM STOCK_ARTI WHERE CD_ARTICLE
= ARTICLE.CD_ARTICLE ) as "DISPO",
( SELECT NVL((QTE_STOCK - NVL(SEUIL_SECU, 0) ), 0) FROM STOCK_ARTI WHERE CD_ARTICLE =
ARTICLE.CD_ARTICLE ) as "DISPO_STK",
(SELECT ABREV FROM MONNAIE WHERE VAL_DEF = 1) "MONNAIE_REF.ABREV",
DECODE(C_CMD_LG_TYPE.LIVRABLE, 0, 0, C_CMD_LG.QTE_CMDEE * C_CMD_LG.PRIX_UNIT *
MONNAIE.COEFF_MULT) "C_CMD_LG.MTT_CMDEE_LIV",
DECODE(C_CMD_LG_TYPE.LIVRABLE, 1, 0, C_CMD_LG.QTE_CMDEE * C_CMD_LG.PRIX_UNIT *
MONNAIE.COEFF_MULT) "C_CMD_LG.MTT_CMDEE_NO_LIV",
DECODE(C_CMD_LG_TYPE.LIVRABLE, 0, 0, C_CMD_LG.QTE_LIVREE * C_CMD_LG.PRIX_UNIT *
MONNAIE.COEFF_MULT) "C_CMD_LG.MTT_LIVREE",
DECODE(C_CMD_LG_TYPE.LIVRABLE, 0, 0, DECODE(C_CMD_LG.SOLDEE, 1, 0, (C_CMD_LG.QTE_CMDEE -
C_CMD_LG.QTE_LIVREE)* C_CMD_LG.PRIX_UNIT * MONNAIE.COEFF_MULT)) "C_CMD_LG.MTT_A_LIVREE"
from CLIENT,
ARTICLE,
MONNAIE,
C_CMD_LG_TYPE,
C_CMD_LG,
C_CMD
where C_CMD.CD_CLIENT = CLIENT.CD_CLIENT
and C_CMD.CD_MONNAIE = MONNAIE.CD_MONNAIE
and C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE
and C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE
and C_CMD_LG.CD_C_CMD = C_CMD.CD_C_CMD
and C_CMD_LG.SOLDEE = 0
and ARTICLE.CD_TYPE_GESTION = 1
and C_CMD_LG_TYPE.LIVRABLE = 1
and C_CMD_LG.QTE_CMDEE - C_CMD_LG.QTE_LIVREE > 0

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and (
  (
    ( SELECT SUM(QTE_RES_STK) FROM ARTI_MANQUE WHERE CD_C_CMD =
C_CMD_LG.CD_C_CMD AND N_LIGNE = C_CMD_LG.N_LIGNE AND CD_ARTICLE = C_CMD_LG.CD_ARTICLE ) > 0
  ) OR
  (
    ( SELECT (QTE_STOCK ) FROM STOCK_ARTI WHERE CD_ARTICLE = ARTICLE.CD_ARTICLE ) > 0
  )
)
UNION ALL
select C_CMD.CD_C_CMD "C_CMD.CD_C_CMD",
C_CMD.CD_MONNAIE "C_CMD.CD_MONNAIE",
C_CMD.CD_H_MONNAIE "C_CMD.CD_H_MONNAIE",
C_CMD.CD_COND_REG "C_CMD.CD_COND_REG",
C_CMD.CD_TYPE_TVA "C_CMD.CD_TYPE_TVA",
MONNAIE.ABREV "MONNAIE.ABREV",
CLIENT.CD_CLIENT "CLIENT_CD_CLIENT",
CLIENT.ID_CLIENT "CLIENT.ID_CLIENT",
CLIENT.NOM "CLIENT.NOM",
CLIENT.VILLE "CLIENT.VILLE",
CLIENT.N_RANG "CLIENT.N_RANG",
CLIENT.PROSPECT "CLIENT.PROSPECT",
CLIENT.INACTIF "CLIENT_INACTIF",
CLIENT.CREDIT_ASS "CLIENT.CREDIT_ASS",
CLIENT.CREDIT_SOC "CLIENT.CREDIT_SOC",
CLIENT.ENCOURS_NON_LIV "CLIENT.ENCOURS_NON_LIV",
CLIENT.ENCOURS_FACT_NON_REGLE "CLIENT.ENCOURS_FACT_NON_REGLE",
CLIENT.ENCOURS_NON_REGLE "CLIENT.ENCOURS_NON_REGLE",
CLIENT.N_PRIORITE "CLIENT.N_PRIORITE",
CLIENT.ID_EDI "CLIENT.ID_EDI",
CLIENT.ID_EDI_GL "CLIENT.ID_EDI_GL",
CLIENT.TEXTE_COM "CLIENT.TEXTE_COM",
CLIENT.DATE_CREAT "CLIENT_DATE_CREAT",
CLIENT.DATE_MODIF "CLIENT_DATE_MODIF",
CLIENT.E_MAIL "CLIENT.E_MAIL",
CLIENT.SITE_WEB "CLIENT.SITE_WEB",
CLIENT.N_FOURNEDI "CLIENT.N_FOURNEDI",
C_CMD.CD_QUALITE "C_CMD.CD_QUALITE",
C_CMD.N_ADR_FAC "C_CMD.N_ADR_FAC",
C_CMD.N_ADR_LIV "C_CMD.N_ADR_LIV",
C_CMD.N_CONTACT "C_CMD.N_CONTACT",
C_CMD.CD_SOCIETE "C_CMD.CD_SOCIETE",
C_CMD.CD_EMP_VALID "C_CMD.CD_EMP_VALID",
C_CMD.CD_EMP_CRE "C_CMD_CD_EMP_CRE",
C_CMD.CD_EMP_MOD "C_CMD_CD_EMP_MOD",
C_CMD.ID_C_CMD "C_CMD.ID_C_CMD",
C_CMD.ID_ANNEE "C_CMD.ID_ANNEE",
C_CMD.N_CMD_CLI "C_CMD.N_CMD_CLI",
C_CMD.DATE_CMD "C_CMD.DATE_CMD",
C_CMD.TVA "C_CMD.TVA",
C_CMD.CD_REVUE "C_CMD.CD_REVUE",
C_CMD.STATUT "C_CMD.STATUT",
C_CMD.FRAIS_TRANS "C_CMD.FRAIS_TRANS",
C_CMD.MONTANT "C_CMD.MONTANT",
C_CMD.VALIDEE "C_CMD_VALIDEE",
C_CMD.DATE_CREAT "C_CMD_DATE_CREAT",
C_CMD.DATE_MODIF "C_CMD_DATE_MODIF",
C_CMD.LIBREAUN "C_CMD_LIBREAUN",
C_CMD.INACTIF "C_CMD_INACTIF",
C_CMD_LG.N_LIGNE "C_CMD_LG.N_LIGNE",
C_CMD_LG.CD_C_CMD_LG_TYPE "C_CMD_LG.CD_C_CMD_LG_TYPE",
C_CMD_LG.CD_CLIENT "C_CMD_LG_CD_CLIENT",
ARTICLE.CD_ARTICLE "ARTICLE.CD_ARTICLE",

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ARTICLE.ID_ARTICLE "ARTICLE.ID_ARTICLE",
ARTICLE.LIBELLE "ARTICLE.LIBELLE",
ARTICLE.REF "ARTICLE.REF",
ARTICLE.REF_EPUREE "ARTICLE.REF_EPUREE",
ARTICLE.REF_CLI "ARTICLE.REF_CLI",
ARTICLE.PRIX_UNIT "ARTICLE.PRIX_UNIT",
ARTICLE.CLASSE_CLI "ARTICLE.CLASSE_CLI",
ARTICLE.TEXTE_COM "ARTICLE.TEXTE_COM",
ARTICLE.REF_DROITE "ARTICLE.REF_DROITE",
ARTICLE.ARCHIVE "ARTICLE.ARCHIVE",
ARTICLE.ARTI_DEVIS "ARTICLE.ARTI_DEVIS",
ARTICLE.PRES_COMP "ARTICLE.PRES_COMP",
ARTICLE.PRES_MATI "ARTICLE.PRES_MATI",
ARTICLE.VALIDEE "ARTICLE.VALIDEE",
ARTICLE.PRODUIT "ARTICLE.PRODUIT",
ARTICLE.PROC_PREM "ARTICLE.PROC_PREM",
ARTICLE.RECALC_TPS "ARTICLE.RECALC_TPS",
ARTICLE.INACTIF "ARTICLE.INACTIF",
ARTICLE.N_INDIV "ARTICLE.N_INDIV",
ARTICLE.CUMUL_TPS "ARTICLE.CUMUL_TPS",
ARTICLE.DATE_CREAT "ARTICLE.DATE_CREAT",
ARTICLE.DATE_MODIF "ARTICLE.DATE_MODIF",
ARTICLE.LOT_ECO "ARTICLE.LOT_ECO",
ARTICLE.QTE_ECO "ARTICLE.QTE_ECO",
ARTICLE.N_CPT "ARTICLE.N_CPT",
ARTICLE.N_ANA "ARTICLE.N_ANA",
ARTICLE.VOL_UNIT "ARTICLE.VOL_UNIT",
ARTICLE.PDS_UNIT "ARTICLE.PDS_UNIT",
ARTICLE.NB_ARTCOLI "ARTICLE.NB_ARTCOLI",
ARTICLE.PDS_COLIS "ARTICLE.PDS_COLIS",
C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE "C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE",
C_CMD_LG_TYPE.LIBELLE "C_CMD_LG_TYPE.LIBELLE",
C_CMD_LG_TYPE.LIVRABLE "C_CMD_LG_TYPE.LIVRABLE",
C_CMD_LG.CD_COND_TRANS "C_CMD_LG.CD_COND_TRANS",
C_CMD_LG.CD_COND_PAIE "C_CMD_LG.CD_COND_PAIE",
C_CMD_LG.CD_EMP_CRE "C_CMD_LG.CD_EMP_CRE",
C_CMD_LG.CD_EMP_MOD "C_CMD_LG.CD_EMP_MOD",
C_CMD_LG.CD_EMP_SUIVI "C_CMD_LG.CD_EMP_SUIVI",
C_CMD_LG.N_PO_CLI "C_CMD_LG.N_PO_CLI",
C_CMD_LG.N_DOSSIER "C_CMD_LG.N_DOSSIER",
C_CMD_LG.REF_ARTI "C_CMD_LG.REF_ARTI",
C_CMD_LG.DES_ARTI "C_CMD_LG.DES_ARTI",
C_CMD_LG.DATE_LIV "C_CMD_LG.DATE_LIV",
C_CMD_LG.DATE_LIVPL "C_CMD_LG.DATE_LIVPL",
C_CMD_LG.SPEC_ARTI "C_CMD_LG.SPEC_ARTI",
C_CMD_LG.APPRO_CLI "C_CMD_LG.APPRO_CLI",
C_CMD_LG.FORMAT.QTE "C_CMD_LG.QTE_CMDEE",
C_CMD_LG.PRIX_UNIT "C_CMD_LG.PRIX_UNIT",
C_CMD_LG.FORMAT.QTE_LANCEE "C_CMD_LG.QTE_LANCEE",
C_CMD_LG.FORMAT.QTE_RES_STK "C_CMD_LG.QTE_RESER",
C_CMD_LG.FORMAT.QTE_LIVREE "C_CMD_LG.QTE_LIVREE",
C_CMD_LG.FORMAT.QTE_LIVATT "C_CMD_LG.QTE_LIVATT",
C_CMD_LG.FORMAT.QTE_SSFACT "C_CMD_LG.QTE_SSFACT",
C_CMD_LG.FORMAT.QTE_FACT "C_CMD_LG.QTE_FACT",
C_CMD_LG.SOLDEE "C_CMD_LG.SOLDEE",
C_CMD_LG.TEXTE_COM "C_CMD_LG.TEXTE_COM",
C_CMD_LG.DATE_CREAT "C_CMD_LG.DATE_CREAT",
C_CMD_LG.DATE_MODIF "C_CMD_LG.DATE_MODIF",
C_CMD_LG.MANUELLE "C_CMD_LG.MANUELLE",
C_CMD_LG.JAA_FORM_ONE "C_CMD_LG.JAA_FORM_ONE",
C_CMD_LG.LIBREAUN "C_CMD_LG.LIBREAUN",
C_CMD_LG.RANG "C_CMD_LG.RANG",
C_CMD_LG.DOUANE "C_CMD_LG.DOUANE",

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C_CMD_LG.DATE_RECAL "C_CMD_LG.DATE_RECAL",
C_CMD_LG.QTE_NC "C_CMD_LG.QTE_NC",
NVL(C_CMD_LG.TRANSIT, 0) "C_CMD_LG.TRANSIT",
TO_DATE(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)) - NVL(C_CMD_LG.TRANSIT, 0)
"C_CMD_LG.DATE_EXP",
UNITE.ABREV,
NVL(( SELECT SUM(QTE_RES_STK * UNITE.COEFF_MULT / (SELECT COEFF_MULT FROM UNITE WHERE
CD_UNITE = C_CMD_LG_FORMAT.CD_UNITE)) FROM COMP_MANQUE, UNITE WHERE
COMP_MANQUE.CD_UNITE = UNITE.CD_UNITE AND CD_C_CMD = C_CMD_LG.CD_C_CMD AND N_LIGNE =
C_CMD_LG.N_LIGNE AND CD_COMPOSANT = (SELECT CD_COMPOSANT FROM COMP_ARTI WHERE
CD_ARTICLE = ARTICLE.CD_ARTICLE)), ( SELECT NVL(SUM(QTE_RES_STK* UNITE.COEFF_MULT / (SELECT
COEFF_MULT FROM UNITE WHERE CD_UNITE = C_CMD_LG_FORMAT.CD_UNITE)), 0) FROM MATI_MANQUE,
UNITE WHERE MATI_MANQUE.CD_UNITE = UNITE.CD_UNITE AND CD_C_CMD = C_CMD_LG.CD_C_CMD AND
N_LIGNE = C_CMD_LG.N_LIGNE AND CD_MATIERE = (SELECT CD_MATIERE FROM MATI_ARTI WHERE
CD_ARTICLE = ARTICLE.CD_ARTICLE))) as "RESERVEE",
NVL(( SELECT ((QTE_STOCK - QTE_RES_STK)* UNITE.COEFF_MULT / (SELECT COEFF_MULT FROM UNITE
WHERE CD_UNITE = C_CMD_LG_FORMAT.CD_UNITE)) FROM STOCK_COMP, UNITE WHERE
STOCK_COMP.CD_UNITE_STOCK = UNITE.CD_UNITE AND CD_COMPOSANT = (SELECT CD_COMPOSANT FROM
COMP_ARTI WHERE CD_ARTICLE = ARTICLE.CD_ARTICLE)), ( SELECT NVL((QTE_STOCK - QTE_RES_STK)*
UNITE.COEFF_MULT / (SELECT COEFF_MULT FROM UNITE WHERE CD_UNITE =
C_CMD_LG_FORMAT.CD_UNITE), 0) FROM STOCK_MATI, UNITE WHERE STOCK_MATI.CD_UNITE_STOCK =
UNITE.CD_UNITE AND CD_MATIERE = (SELECT CD_MATIERE FROM MATI_ARTI WHERE CD_ARTICLE =
ARTICLE.CD_ARTICLE))) as "DISPO",
NVL(( SELECT ((QTE_STOCK)* UNITE.COEFF_MULT / (SELECT COEFF_MULT FROM UNITE WHERE CD_UNITE =
C_CMD_LG_FORMAT.CD_UNITE) ) FROM STOCK_COMP, UNITE WHERE STOCK_COMP.CD_UNITE_STOCK =
UNITE.CD_UNITE AND CD_COMPOSANT = (SELECT CD_COMPOSANT FROM COMP_ARTI WHERE CD_ARTICLE =
ARTICLE.CD_ARTICLE)), ( SELECT NVL(QTE_STOCK* UNITE.COEFF_MULT / (SELECT COEFF_MULT FROM UNITE
WHERE CD_UNITE = C_CMD_LG_FORMAT.CD_UNITE), 0) FROM STOCK_MATI, UNITE WHERE
STOCK_MATI.CD_UNITE_STOCK = UNITE.CD_UNITE AND CD_MATIERE = (SELECT CD_MATIERE FROM
MATI_ARTI WHERE CD_ARTICLE = ARTICLE.CD_ARTICLE))) as "DISPO_STK",
(SELECT ABREV FROM MONNAIE WHERE VAL_DEF = 1) "MONNAIE_REF.ABREV",
DECODE(C_CMD_LG_TYPE.LIVRABLE, 0, 0, C_CMD_LG.QTE_CMDEE * C_CMD_LG.PRIX_UNIT *
MONNAIE.COEFF_MULT) "C_CMD_LG.MTT_CMDEE_LIV",
DECODE(C_CMD_LG_TYPE.LIVRABLE, 1, 0, C_CMD_LG.QTE_CMDEE * C_CMD_LG.PRIX_UNIT *
MONNAIE.COEFF_MULT) "C_CMD_LG.MTT_CMDEE_NO_LIV",
DECODE(C_CMD_LG_TYPE.LIVRABLE, 0, 0, C_CMD_LG.QTE_LIVREE * C_CMD_LG.PRIX_UNIT *
MONNAIE.COEFF_MULT) "C_CMD_LG.MTT_LIVREE",
DECODE(C_CMD_LG_TYPE.LIVRABLE, 0, 0, DECODE(C_CMD_LG.SOLDEE, 1, 0, (C_CMD_LG.QTE_CMDEE -
C_CMD_LG.QTE_LIVREE)* C_CMD_LG.PRIX_UNIT * MONNAIE.COEFF_MULT)) "C_CMD_LG.MTT_A_LIVREE"
from CLIENT,
ARTICLE,
MONNAIE,
C_CMD_LG_TYPE,
C_CMD_LG,
C_CMD_LG_FORMAT,
UNITE,
C_CMD
where C_CMD.CD_CLIENT = CLIENT.CD_CLIENT
and C_CMD.CD_MONNAIE = MONNAIE.CD_MONNAIE
and C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE
and C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE
and C_CMD_LG.CD_C_CMD = C_CMD_LG_FORMAT.CD_C_CMD
and C_CMD_LG.N_LIGNE = C_CMD_LG_FORMAT.N_LIGNE
and C_CMD_LG_FORMAT.CD_UNITE = UNITE.CD_UNITE
and C_CMD_LG.CD_C_CMD = C_CMD.CD_C_CMD
and C_CMD_LG.SOLDEE = 0
and ARTICLE.CD_TYPE_GESTION = 2
and C_CMD_LG_TYPE.LIVRABLE = 1
and C_CMD_LG.QTE_CMDEE - C_CMD_LG.QTE_LIVREE > 0
and (
(
NVL(( SELECT SUM(QTE_RES_STK) FROM COMP_MANQUE WHERE CD_C_CMD =
C_CMD_LG.CD_C_CMD AND N_LIGNE = C_CMD_LG.N_LIGNE AND CD_COMPOSANT = (SELECT CD_COMPOSANT

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FROM COMP_ARTI WHERE CD_ARTICLE = ARTICLE.CD_ARTICLE)), ( SELECT NVL(SUM(QTE_RES_STK), 0) FROM
MATI_MANQUE WHERE CD_C_CMD = C_CMD_LG.CD_C_CMD AND N_LIGNE = C_CMD_LG.N_LIGNE AND
CD_MATIERE = (SELECT CD_MATIERE FROM MATI_ARTI WHERE CD_ARTICLE = ARTICLE.CD_ARTICLE))) > 0
) OR
(
NVL(( SELECT (QTE_STOCK - QTE_RES_STK) FROM STOCK_COMP WHERE CD_COMPOSANT = (SELECT
CD_COMPOSANT FROM COMP_ARTI WHERE CD_ARTICLE = ARTICLE.CD_ARTICLE)), ( SELECT
NVL((QTE_STOCK - QTE_RES_STK), 0) FROM STOCK_MATI WHERE CD_MATIERE = (SELECT CD_MATIERE FROM
MATI_ARTI WHERE CD_ARTICLE = ARTICLE.CD_ARTICLE)))) > 0
)
)

```

2.2.2.4 Vue VUE_LIV_ASST

2.2.2.4.1 Requête SQL de la vue VUE_LIV_ASST

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SELECT ARTICLE.CD_ARTICLE "ARTICLE.CD_ARTICLE", ARTICLE.CD_ARTI_FAMILLE
"ARTICLE.CD_ARTI_FAMILLE", ARTICLE.CD_ARTI_SS_FAMILLE "ARTICLE.CD_ARTI_SS_FAMILLE",
ARTICLE.CD_MONNAIE "ARTICLE.CD_MONNAIE", ARTICLE.CD_CLIENT "ARTICLE.CD_CLIENT",
ARTICLE.CD_NOMENCLATURE "ARTICLE.CD_NOMENCLATURE", ARTICLE.CD_GAMME "ARTICLE.CD_GAMME",
ARTICLE.CD_EMP_CRE "ARTICLE.CD_EMP_CRE", ARTICLE.CD_EMP_MOD "ARTICLE.CD_EMP_MOD",
ARTICLE.ID_ARTICLE "ARTICLE.ID_ARTICLE", ARTICLE.LIBELLE "ARTICLE.LIBELLE", ARTICLE.REF
"ARTICLE.REF", ARTICLE.REF_EPUREE "ARTICLE.REF_EPUREE", ARTICLE.REF_CLI "ARTICLE.REF_CLI",
ARTICLE.PRIX_UNIT "ARTICLE.PRIX_UNIT", ARTICLE.CLASSE_CLI "ARTICLE.CLASSE_CLI",
ARTICLE.TEXTE_COM "ARTICLE.TEXTE_COM", ARTICLE.REF_DROITE "ARTICLE.REF_DROITE",
ARTICLE.ARCHIVE "ARTICLE.ARCHIVE", ARTICLE.ARTI_DEVIS "ARTICLE.ARTI_DEVIS", ARTICLE.PRES_COMP
"ARTICLE.PRES_COMP", ARTICLE.PRES_MATI "ARTICLE.PRES_MATI", ARTICLE.VALIDEE "ARTICLE.VALIDEE",
ARTICLE.PRODUIT "ARTICLE.PRODUIT",
ARTICLE.PROC_PREM "ARTICLE.PROC_PREM", ARTICLE.RECALC_TPS "ARTICLE.RECALC_TPS",
ARTICLE.INACTIF "ARTICLE.INACTIF", ARTICLE.N_INDIV "ARTICLE.N_INDIV", ARTICLE.CUMUL_TPS
"ARTICLE.CUMUL_TPS", ARTICLE.DATE_CREAT "ARTICLE.DATE_CREAT", ARTICLE.DATE_MODIF
"ARTICLE.DATE_MODIF", ARTICLE.LOT_ECO "ARTICLE.LOT_ECO",
ARTICLE.QTE_ECO "ARTICLE.QTE_ECO", ARTICLE.N_CPT "ARTICLE.N_CPT", ARTICLE.N_ANA
"ARTICLE.N_ANA", ARTICLE.VOL_UNIT "ARTICLE.VOL_UNIT", ARTICLE.PDS_UNIT "ARTICLE.PDS_UNIT",
ARTICLE.NB_ARTCOLI "ARTICLE.NB_ARTCOLI", ARTICLE.PDS_COLIS "ARTICLE.PDS_COLIS",
ARTICLE.REPARATION "ARTICLE.REPARATION", ARTICLE.PHOTO "ARTICLE.PHOTO",
ARTICLE.FICHER "ARTICLE.FICHER", BL.CD_BL "BL.CD_BL", BL.CD_CLIENT "BL.CD_CLIENT", BL.N_ADR_LIV
"BL.N_ADR_LIV", BL.CD_SOCIETE "BL.CD_SOCIETE", BL.CD_EMP_CRE "BL.CD_EMP_CRE", BL.CD_EMP_MOD
"BL.CD_EMP_MOD", BL.CD_EMP_SIGNE "BL.CD_EMP_SIGNE", BL.CD_EMP_JAA "BL.CD_EMP_JAA", BL.ID_BL
"BL.ID_BL", BL.DATE_LIV "BL.DATE_LIV",
BL.STATUT "BL.STATUT", BL.BL_SS_FACT "BL.BL_SS_FACT", BL.TEXTE_COM "BL.TEXTE_COM", BL.TEXTE_JAA
"BL.TEXTE_JAA", BL.DATE_CREAT "BL.DATE_CREAT", BL.DATE_MODIF "BL.DATE_MODIF", BL.INACTIF
"BL.INACTIF", BL.STATUT_JAA_FAB "BL.STATUT_JAA_FAB", BL.STATUT_JAA_REP "BL.STATUT_JAA_REP",
OFS.CD_OFS "OFS.CD_OFS",
OFS.CD_QUALITE "OFS.CD_QUALITE", OFS.CD_CLIENT "OFS.CD_CLIENT", OFS.CD_ARTICLE "OFS.CD_ARTICLE",
OFS.CD_OFS_NOME "OFS.CD_OFS_NOME", OFS.CD_GAMME "OFS.CD_GAMME", OFS.CD_NOMENCLATURE
"OFS.CD_NOMENCLATURE", OFS.CD_EMP_CRE "OFS.CD_EMP_CRE", OFS.CD_EMP_MOD "OFS.CD_EMP_MOD",
OFS.CD_EMP_VAL "OFS.CD_EMP_VAL",
OFS.CD_EMP_SUPP "OFS.CD_EMP_SUPP", OFS.ID_OFS "OFS.ID_OFS", OFS.HEUR_MODIF "OFS.HEUR_MODIF",
OFS.DATE_TRANS "OFS.DATE_TRANS", OFS.HEUR_TRANS "OFS.HEUR_TRANS", OFS.DATE_DEBUT
"OFS.DATE_DEBUT", OFS.DATE_FIN "OFS.DATE_FIN", OFS.DATE_DEBPL "OFS.DATE_DEBPL", OFS.HEUR_DEBPL
"OFS.HEUR_DEBPL", OFS.DATE_FINPL "OFS.DATE_FINPL",
OFS.HEUR_FINPL "OFS.HEUR_FINPL", OFS.QTE_LANCEE "OFS.QTE_LANCEE", OFS.QTE_BONNE
"OFS.QTE_BONNE", OFS.QTE_LITIGE "OFS.QTE_LITIGE", OFS.QTE_REBUT "OFS.QTE_REBUT", OFS.QTE_TERMIN
"OFS.QTE_TERMIN", OFS.QTE_EN_ATT "OFS.QTE_EN_ATT", OFS.ETAT_OF "OFS.ETAT_OF", OFS.NB_IMP
"OFS.NB_IMP", OFS.TEXTE_COM "OFS.TEXTE_COM",
OFS.SPEC_ARTI "OFS.SPEC_ARTI", OFS.CD_PH_EVOL "OFS.CD_PH_EVOL", OFS.PLANIF_TOT "OFS.PLANIF_TOT",
OFS.PLANIF "OFS.PLANIF", OFS.R_CONF "OFS.R_CONF", OFS.TRANS_SUIV "OFS.TRANS_SUIV", OFS.N_RANG
"OFS.N_RANG", OFS.BESOIN_C "OFS.BESOIN_C", OFS.BESOIN_M "OFS.BESOIN_M", OFS.DATE_SUPP
"OFS.DATE_SUPP", OFS.HEUR_SUPP "OFS.HEUR_SUPP",
OFS.ORIG_SUPP "OFS.ORIG_SUPP", OFS.DATE_CREAT "OFS.DATE_CREAT", OFS.DATE_MODIF
"OFS.DATE_MODIF", OFS.INACTIF "OFS.INACTIF", STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF
"STOCK_EOF.CD_STOCK_ARTI_EOF", STOCK_ARTI_EOF.CD_OFS "STOCK_ARTI_EOF.CD_OFS",

```

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STOCK_ARTI_EOF.CD_ARTICLE "STOCK_ARTI_EOF.CD_ARTICLE", STOCK_ARTI_EOF.CD_EMP_CRE
"STOCK_ARTI_EOF.CD_EMP_CRE",
STOCK_ARTI_EOF.CD_EMP_MOD "STOCK_ARTI_EOF.CD_EMP_MOD", STOCK_ARTI_EOF.IND_OF_E
"STOCK_ARTI_EOF.IND_OF_E", STOCK_ARTI_EOF.QTE_E "STOCK_ARTI_EOF.QTE_E", STOCK_ARTI_EOF.DATE_E
"STOCK_ARTI_EOF.DATE_E", STOCK_ARTI_EOF.DATE_PEREM "STOCK_ARTI_EOF.DATE_PEREM",
STOCK_ARTI_EOF.QTE_S "STOCK_ARTI_EOF.QTE_S", STOCK_ARTI_EOF.TEXTE_COM
"STOCK_ARTI_EOF.TEXTE_COM",
STOCK_ARTI_EOF.SITUATION "STOCK_ARTI_EOF.SITUATION", STOCK_ARTI_EOF.DATE_CREAT
"STOCK_ARTI_EOF.DATE_CREAT", STOCK_ARTI_EOF.DATE_MODIF "STOCK_ARTI_EOF.DATE_MODIF",
STOCK_ARTI_SBL.CD_STOCK_ARTI_SBL "STOCK_ARTI.CD_STOCK_ARTI_SBL",
STOCK_ARTI_SBL.CD_STOCK_ARTI_EOF "STOCK_SBL.CD_STOCK_ARTI_EOF", STOCK_ARTI_SBL.CD_BL
"STOCK_ARTI_SBL.CD_BL",
STOCK_ARTI_SBL.NUM_LIGNE "STOCK_ARTI_SBL.NUM_LIGNE", STOCK_ARTI_SBL.CD_EMP_CRE
"STOCK_ARTI_SBL.CD_EMP_CRE", STOCK_ARTI_SBL.CD_EMP_MOD "STOCK_ARTI_SBL.CD_EMP_MOD",
STOCK_ARTI_SBL.QTE_S "STOCK_ARTI_SBL.QTE_S", STOCK_ARTI_SBL.DATE_S "STOCK_ARTI_SBL.DATE_S",
STOCK_ARTI_SBL.TEXTE_COM "STOCK_ARTI_SBL.TEXTE_COM",
STOCK_ARTI_SBL.DATE_CREAT "STOCK_ARTI_SBL.DATE_CREAT", STOCK_ARTI_SBL.DATE_MODIF
"STOCK_ARTI_SBL.DATE_MODIF"
FROM ARTICLE ARTICLE, BL BL, OFS OFS, STOCK_ARTI_EOF STOCK_ARTI_EOF, STOCK_ARTI_SBL
STOCK_ARTI_SBL
WHERE STOCK_ARTI_SBL.CD_STOCK_ARTI_EOF = STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF AND
STOCK_ARTI_SBL.CD_BL = BL.CD_BL AND
STOCK_ARTI_EOF.CD_ARTICLE = ARTICLE.CD_ARTICLE AND
STOCK_ARTI_EOF.CD_OFS = OFS.CD_OFS

```

2.2.2.5 Vue VUE_LIV_A_FACT

2.2.2.5.1 Requête SQL de la vue VUE_LIV_A_FACT

```

SELECT
ARTICLE.CD_ARTICLE "ARTICLE.CD_ARTICLE",
ARTICLE.CD_ARTI_FAMILLE "ARTICLE.CD_ARTI_FAMILLE",
ARTICLE.CD_ARTI_SS_FAMILLE "ARTICLE.CD_ARTI_SS_FAMILLE",
ARTICLE.CD_MONNAIE "ARTICLE.CD_MONNAIE",
ARTICLE.CD_CLIENT "ARTICLE.CD_CLIENT",
ARTICLE.CD_NOMENCLATURE "ARTICLE.CD_NOMENCLATURE",
ARTICLE.CD_GAMME "ARTICLE.CD_GAMME",
ARTICLE.CD_EMP_CRE "ARTICLE.CD_EMP_CRE",
ARTICLE.CD_EMP_MOD "ARTICLE.CD_EMP_MOD",
DECODE(C_CMD_LG.CD_ARTICLE, 0, "ARTICLE.ID_ARTICLE") "ARTICLE.ID_ARTICLE",
DECODE(C_CMD_LG.CD_ARTICLE, 0, C_CMD_LG.DES_ARTI, ARTICLE.LIBELLE ) "ARTICLE.LIBELLE",
DECODE(C_CMD_LG.CD_ARTICLE, 0, C_CMD_LG.REF_ARTI, ARTICLE.REF) "ARTICLE.REF",
ARTICLE.REF_EPUREE "ARTICLE.REF_EPUREE",
ARTICLE.REF_CLI "ARTICLE.REF_CLI",
ARTICLE.PRIX_UNIT "ARTICLE.PRIX_UNIT",
ARTICLE.CLASSE_CLI "ARTICLE.CLASSE_CLI",
ARTICLE.TEXTE_COM "ARTICLE.TEXTE_COM",
ARTICLE.REF_DROITE "ARTICLE.REF_DROITE",
ARTICLE.ARCHIVE "ARTICLE.ARCHIVE",
ARTICLE.ARTI_DEVIS "ARTICLE.ARTI_DEVIS",
ARTICLE.PRES_COMP "ARTICLE.PRES_COMP",
ARTICLE.PRES_MATI "ARTICLE.PRES_MATI",
ARTICLE.VALIDEE "ARTICLE.VALIDEE",
ARTICLE.PRODUIT "ARTICLE.PRODUIT",
ARTICLE.PROC_PREM "ARTICLE.PROC_PREM",
ARTICLE.RECALC_TPS "ARTICLE.RECALC_TPS",
ARTICLE.INACTIF "ARTICLE.INACTIF",
ARTICLE.N_INDIV "ARTICLE.N_INDIV",
ARTICLE.CUMUL_TPS "ARTICLE.CUMUL_TPS",
ARTICLE.DATE_CREAT "ARTICLE.DATE_CREAT",
ARTICLE.DATE_MODIF "ARTICLE.DATE_MODIF",

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ARTICLE.LOT_ECO "ARTICLE.LOT_ECO",
ARTICLE.QTE_ECO "ARTICLE.QTE_ECO",
ARTICLE.N_CPT "ARTICLE.N_CPT",
ARTICLE.N_ANA "ARTICLE.N_ANA",
ARTICLE.VOL_UNIT "ARTICLE.VOL_UNIT",
ARTICLE.PDS_UNIT "ARTICLE.PDS_UNIT",
ARTICLE.NB_ARTCOLI "ARTICLE.NB_ARTCOLI",
ARTICLE.PDS_COLIS "ARTICLE.PDS_COLIS",
ARTICLE.REPARATION "ARTICLE.REPARATION",
ARTICLE.PHOTO "ARTICLE.PHOTO",
ARTICLE.FICHER "ARTICLE.FICHER",
BL.CD_BL "BL.CD_BL",
BL.CD_CLIENT "BL.CD_CLIENT",
BL.N_ADR_LIV "BL.N_ADR_LIV",
BL.CD_SOCIETE "BL.CD_SOCIETE",
BL.CD_EMP_CRE "BL.CD_EMP_CRE",
BL.CD_EMP_MOD "BL.CD_EMP_MOD",
BL.CD_EMP_SIGNE "BL.CD_EMP_SIGNE",
BL.CD_EMP_JAA "BL.CD_EMP_JAA",
BL.ID_BL "BL.ID_BL",
NVL(BL.DATE_EXP, BL.DATE_LIV) "BL.DATE_EXP",
NVL(BL.TRANSIT, 0) "BL.TRANSIT",
BL.DATE_LIV "BL.DATE_LIV",
BL.STATUT "BL.STATUT",
BL.BL_SS_FACT "BL.BL_SS_FACT",
BL.TEXTE_COM "BL.TEXTE_COM",
BL.TEXTE_JAA "BL.TEXTE_JAA",
BL.DATE_CREAT "BL.DATE_CREAT",
BL.DATE_MODIF "BL.DATE_MODIF",
BL.INACTIF "BL.INACTIF",
BL.STATUT_JAA_FAB "BL.STATUT_JAA_FAB",
BL.STATUT_JAA_REP "BL.STATUT_JAA_REP",
BL_LG.CD_BL "BL_LG.CD_BL",
BL_LG.NUM_LIGNE "BL_LG.NUM_LIGNE",
BL_LG.CD_C_CMD "BL_LG.CD_C_CMD",
BL_LG.N_LIGNE "BL_LG.N_LIGNE",
BL_LG.CD_COND_TRANS "BL_LG.CD_COND_TRANS",
BL_LG.CD_EMP_CRE "BL_LG.CD_EMP_CRE",
BL_LG.CD_EMP_MOD "BL_LG.CD_EMP_MOD",
BL_LG.QTE_LIVREE "BL_LG.QTE_LIVREE",
BL_LG.QTE_FACT "BL_LG.QTE_FACT",
BL_LG.ATT_FACT "BL_LG.ATT_FACT",
BL_LG.QTE_FACATT "BL_LG.QTE_FACATT",
BL_LG.TEXTE_COM "BL_LG.TEXTE_COM",
BL_LG.DATE_CREAT "BL_LG.DATE_CREAT",
BL_LG.DATE_MODIF "BL_LG.DATE_MODIF",
BL_LG.N_JAA "BL_LG.N_JAA",
CLI_AD_LIV.CD_CLIENT "CLI_AD_LIV.CD_CLIENT",
CLI_AD_LIV.N_ADR_LIV "CLI_AD_LIV.N_ADR_LIV",
CLI_AD_LIV.CD_COND_TRANS "CLI_AD_LIV.CD_COND_TRANS",
CLI_AD_LIV.CD_EMP_CRE "CLI_AD_LIV.CD_EMP_CRE",
CLI_AD_LIV.CD_EMP_MOD "CLI_AD_LIV.CD_EMP_MOD",
CLI_AD_LIV.NOM "CLI_AD_LIV.NOM",
CLI_AD_LIV.CPLT_NOM "CLI_AD_LIV.CPLT_NOM",
CLI_AD_LIV.ADR1 "CLI_AD_LIV.ADR1",
CLI_AD_LIV.ADR2 "CLI_AD_LIV.ADR2",
CLI_AD_LIV.BP "CLI_AD_LIV.BP",
CLI_AD_LIV.CP "CLI_AD_LIV.CP",
CLI_AD_LIV.VILLE "CLI_AD_LIV.VILLE",
CLI_AD_LIV.PAYS "CLI_AD_LIV.PAYS",
CLI_AD_LIV.N_TEL "CLI_AD_LIV.N_TEL",
CLI_AD_LIV.N_FAX "CLI_AD_LIV.N_FAX",
CLI_AD_LIV.N EDI "CLI_AD_LIV.N EDI",

CLI_AD_LIV.DATE_CREAT "CLI_AD_LIV.DATE_CREAT",
CLI_AD_LIV.DATE_MODIF "CLI_AD_LIV.DATE_MODIF",
CLI_AD_LIV.E_MAIL "CLI_AD_LIV.E_MAIL",
CLI_AD_LIV.SITE_WEB "CLI_AD_LIV.SITE_WEB",
C_CMD.CD_C_CMD "C_CMD.CD_C_CMD",
C_CMD.CD_MONNAIE "C_CMD.CD_MONNAIE",
C_CMD.CD_COND_REG "C_CMD.CD_COND_REG",
C_CMD.CD_TYPE_TVA "C_CMD.CD_TYPE_TVA",
C_CMD.CD_CLIENT "C_CMD.CD_CLIENT",
C_CMD.CD_QUALITE "C_CMD.CD_QUALITE",
C_CMD.N_ADR_FAC "C_CMD.N_ADR_FAC",
C_CMD.N_ADR_LIV "C_CMD.N_ADR_LIV",
C_CMD.N_CONTACT "C_CMD.N_CONTACT",
C_CMD.CD_SOCIETE "C_CMD.CD_SOCIETE",
C_CMD.CD_EMP_VALID "C_CMD.CD_EMP_VALID",
C_CMD.CD_EMP_CRE "C_CMD.CD_EMP_CRE",
C_CMD.CD_EMP_MOD "C_CMD.CD_EMP_MOD",
C_CMD.ID_C_CMD "C_CMD.ID_C_CMD",
C_CMD.ID_ANNEE "C_CMD.ID_ANNEE",
C_CMD.N_CMD_CLI "C_CMD.N_CMD_CLI",
C_CMD.DATE_CMD "C_CMD.DATE_CMD",
C_CMD.TVA "C_CMD.TVA",
C_CMD.CD_REVUE "C_CMD.CD_REVUE",
C_CMD.STATUT "C_CMD.STATUT",
C_CMD.FRAIS_TRANS "C_CMD.FRAIS_TRANS",
C_CMD.MONTANT "C_CMD.MONTANT",
C_CMD.VALIDEE "C_CMD.VALIDEE",
C_CMD.DATE_CREAT "C_CMD.DATE_CREAT",
C_CMD.DATE_MODIF "C_CMD.DATE_MODIF",
C_CMD.LIBREAUN "C_CMD.LIBREAUN",
C_CMD.INACTIF "C_CMD.INACTIF",
C_CMD_LG.CD_C_CMD "C_CMD_LG.CD_C_CMD",
C_CMD_LG.N_LIGNE "C_CMD_LG.N_LIGNE",
C_CMD_LG.CD_C_CMD_LG_TYPE "C_CMD_LG.CD_C_CMD_LG_TYPE",
C_CMD_LG.CD_CLIENT "C_CMD_LG.CD_CLIENT",
C_CMD_LG.CD_ARTICLE "C_CMD_LG.CD_ARTICLE",
C_CMD_LG.CD_COND_TRANS "C_CMD_LG.CD_COND_TRANS",
C_CMD_LG.CD_COND_PAIE "C_CMD_LG.CD_COND_PAIE",
C_CMD_LG.CD_EMP_CRE "C_CMD_LG.CD_EMP_CRE",
C_CMD_LG.CD_EMP_MOD "C_CMD_LG.CD_EMP_MOD",
C_CMD_LG.CD_EMP_SUIVI "C_CMD_LG.CD_EMP_SUIVI",
C_CMD_LG.N_PO_CLI "C_CMD_LG.N_PO_CLI",
C_CMD_LG.N_DOSSIER "C_CMD_LG.N_DOSSIER",
" "C_CMD_LG.REF_ARTI",
" "C_CMD_LG.DES_ARTI",
C_CMD_LG.DATE_LIV "C_CMD_LG.DATE_LIV",
C_CMD_LG.DATE_LIVPL "C_CMD_LG.DATE_LIVPL",
C_CMD_LG.SPEC_ARTI "C_CMD_LG.SPEC_ARTI",
C_CMD_LG.APPRO_CLI "C_CMD_LG.APPRO_CLI",
C_CMD_LG.QTE_CMDEE "C_CMD_LG.QTE_CMDEE",
C_CMD_LG.PRIX_UNIT "C_CMD_LG.PRIX_UNIT",
C_CMD_LG.QTE_LANCEE "C_CMD_LG.QTE_LANCEE",
C_CMD_LG.QTE_RESER "C_CMD_LG.QTE_RESER",
C_CMD_LG.QTE_LIVREE "C_CMD_LG.QTE_LIVREE",
C_CMD_LG.QTE_LIVATT "C_CMD_LG.QTE_LIVATT",
C_CMD_LG.QTE_SSFACT "C_CMD_LG.QTE_SSFACT",
C_CMD_LG.QTE_FACT "C_CMD_LG.QTE_FACT",
C_CMD_LG.SOLDEE "C_CMD_LG.SOLDEE",
C_CMD_LG.TEXTE_COM "C_CMD_LG.TEXTE_COM",
C_CMD_LG.DATE_CREAT "C_CMD_LG.DATE_CREAT",
C_CMD_LG.DATE_MODIF "C_CMD_LG.DATE_MODIF",
C_CMD_LG.MANUELLE "C_CMD_LG.MANUELLE",
C_CMD_LG.JAA_FORM_ONE "C_CMD_LG.JAA_FORM_ONE",

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C_CMD_LG.LIBREAUN "C_CMD_LG.LIBREAUN",
CLIENT.ID_CLIENT "CLIENT.ID_CLIENT",
CLIENT.NOM "CLIENT.NOM",
CLIENT.VILLE "CLIENT.VILLE",
SOCIETE.CD_SOCIETE "SOCIETE.CD_SOCIETE",
SOCIETE.CD_CAL_C "SOCIETE.CD_CAL_C",
SOCIETE.CD_CAL_A "SOCIETE.CD_CAL_A",
SOCIETE.CD_EMP_CRE "SOCIETE.CD_EMP_CRE",
SOCIETE.CD_EMP_MOD "SOCIETE.CD_EMP_MOD",
SOCIETE.NOM "SOCIETE.NOM",
SOCIETE.CPLT_NOM "SOCIETE.CPLT_NOM",
SOCIETE.ADR1 "SOCIETE.ADR1",
SOCIETE.ADR2 "SOCIETE.ADR2",
SOCIETE.BP "SOCIETE.BP",
SOCIETE.CP "SOCIETE.CP",
SOCIETE.VILLE "SOCIETE.VILLE",
SOCIETE.PAYS "SOCIETE.PAYS",
SOCIETE.N_TEL "SOCIETE.N_TEL",
SOCIETE.N_FAX "SOCIETE.N_FAX",
SOCIETE.N_EDI "SOCIETE.N_EDI",
SOCIETE.E_MAIL "SOCIETE.E_MAIL",
SOCIETE.SITE_WEB "SOCIETE.SITE_WEB",
SOCIETE.DATE_CREAT "SOCIETE.DATE_CREAT",
SOCIETE.DATE_MODIF "SOCIETE.DATE_MODIF",
SOCIETE.INACTIF "SOCIETE.INACTIF",
SOCIETE.ABREV "SOCIETE.ABREV",
SOCIETE.EFFECTIF "SOCIETE.EFFECTIF",
SOCIETE.TVA_CEE "SOCIETE.TVA_CEE",
SOCIETE.BD_NET "SOCIETE.BD_NET",
SOCIETE.CODE_SOC "SOCIETE.CODE_SOC",
SOCIETE.LOGO "SOCIETE.LOGO",
SOCIETE.FRM_JURIDI "SOCIETE.FRM_JURIDI",
SOCIETE.REG_COMMER "SOCIETE.REG_COMMER",
SOCIETE.CODE_APE "SOCIETE.CODE_APE",
SOCIETE.MODE_TVA "SOCIETE.MODE_TVA",
SOCIETE.JAA_NAV "SOCIETE.JAA_NAV",
SOCIETE.JAA_REP "SOCIETE.JAA_REP",
MONNAIE.ABREV "MONNAIE.ABREV",
H_MONNAIE.TAUX "H_MONNAIE.TAUX",
1 "UNITE.CD_UNITE",
'U' "UNITE.ABREV",
(SELECT ABREV FROM MONNAIE WHERE VAL_DEF = 1) as "ABREV_REF_MONNAIE"
FROM ARTICLE, BL, BL_LG, CLI_AD_LIV, C_CMD, C_CMD_LG, SOCIETE, CLIENT, MONNAIE, H_MONNAIE
WHERE
BL_LG.CD_C_CMD = C_CMD.CD_C_CMD AND
BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE AND
BL_LG.CD_BL = BL.CD_BL AND
BL.CD_CLIENT = CLIENT.CD_CLIENT AND
BL.CD_CLIENT = CLI_AD_LIV.CD_CLIENT AND
BL.N_ADR_LIV = CLI_AD_LIV.N_ADR_LIV AND
C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+) AND
C_CMD.CD_MONNAIE = MONNAIE.CD_MONNAIE AND
C_CMD.CD_H_MONNAIE = H_MONNAIE.CD_H_MONNAIE AND
BL.CD_SOCIETE = SOCIETE.CD_SOCIETE AND
ARTICLE.CD_TYPE_GESTION = 1 AND
BL.BL_SS_FACT = 0 AND
NVL(BL.CONSIGNATION, 0) = 0 AND
BL.INACTIF = 0 AND
BL.STATUT = 'EC' AND
NVL(BL_LG.QTE_LIVREE, 0) - NVL(BL_LG.QTE_FACT, 0) - NVL(BL_LG.QTE_FACATT, 0) > 0
UNION ALL
SELECT

```

ARTICLE.CD_ARTICLE "ARTICLE.CD_ARTICLE",
ARTICLE.CD_ARTI_FAMILLE "ARTICLE.CD_ARTI_FAMILLE",
ARTICLE.CD_ARTI_SS_FAMILLE "ARTICLE.CD_ARTI_SS_FAMILLE",
ARTICLE.CD_MONNAIE "ARTICLE.CD_MONNAIE",
ARTICLE.CD_CLIENT "ARTICLE.CD_CLIENT",
ARTICLE.CD_NOMENCLATURE "ARTICLE.CD_NOMENCLATURE",
ARTICLE.CD_GAMME "ARTICLE.CD_GAMME",
ARTICLE.CD_EMP_CRE "ARTICLE.CD_EMP_CRE",
ARTICLE.CD_EMP_MOD "ARTICLE.CD_EMP_MOD",
DECODE(C_CMD_LG.CD_ARTICLE, 0, ", ARTICLE.ID_ARTICLE) "ARTICLE.ID_ARTICLE",
DECODE(C_CMD_LG.CD_ARTICLE, 0, C_CMD_LG.DES_ARTI, ARTICLE.LIBELLE) "ARTICLE.LIBELLE",
DECODE(C_CMD_LG.CD_ARTICLE, 0, C_CMD_LG.REF_ARTI, ARTICLE.REF) "ARTICLE.REF",
ARTICLE.REF_EPUREE "ARTICLE.REF_EPUREE",
ARTICLE.REF_CLI "ARTICLE.REF_CLI",
ARTICLE.PRIX_UNIT "ARTICLE.PRIX_UNIT",
ARTICLE.CLASSE_CLI "ARTICLE.CLASSE_CLI",
ARTICLE.TEXTE_COM "ARTICLE.TEXTE_COM",
ARTICLE.REF_DROITE "ARTICLE.REF_DROITE",
ARTICLE.ARCHIVE "ARTICLE.ARCHIVE",
ARTICLE.ARTI_DEVIS "ARTICLE.ARTI_DEVIS",
ARTICLE.PRES_COMP "ARTICLE.PRES_COMP",
ARTICLE.PRES_MATI "ARTICLE.PRES_MATI",
ARTICLE.VALIDEE "ARTICLE.VALIDEE",
ARTICLE.PRODUIT "ARTICLE.PRODUIT",
ARTICLE.PROC_PREM "ARTICLE.PROC_PREM",
ARTICLE.RECALC_TPS "ARTICLE.RECALC_TPS",
ARTICLE.INACTIF "ARTICLE.INACTIF",
ARTICLE.N_INDIV "ARTICLE.N_INDIV",
ARTICLE.CUMUL_TPS "ARTICLE.CUMUL_TPS",
ARTICLE.DATE_CREAT "ARTICLE.DATE_CREAT",
ARTICLE.DATE_MODIF "ARTICLE.DATE_MODIF",
ARTICLE.LOT_ECO "ARTICLE.LOT_ECO",
ARTICLE.QTE_ECO "ARTICLE.QTE_ECO",
ARTICLE.N_CPT "ARTICLE.N_CPT",
ARTICLE.N_ANA "ARTICLE.N_ANA",
ARTICLE.VOL_UNIT "ARTICLE.VOL_UNIT",
ARTICLE.PDS_UNIT "ARTICLE.PDS_UNIT",
ARTICLE.NB_ARTCOLI "ARTICLE.NB_ARTCOLI",
ARTICLE.PDS_COLIS "ARTICLE.PDS_COLIS",
ARTICLE.REPARATION "ARTICLE.REPARATION",
ARTICLE.PHOTO "ARTICLE.PHOTO",
ARTICLE.FICHER "ARTICLE.FICHER",
BL.CD_BL "BL.CD_BL",
BL.CD_CLIENT "BL.CD_CLIENT",
BL.N_ADR_LIV "BL.N_ADR_LIV",
BL.CD_SOCIETE "BL.CD_SOCIETE",
BL.CD_EMP_CRE "BL.CD_EMP_CRE",
BL.CD_EMP_MOD "BL.CD_EMP_MOD",
BL.CD_EMP_SIGNE "BL.CD_EMP_SIGNE",
BL.CD_EMP_JAA "BL.CD_EMP_JAA",
BL.ID_BL "BL.ID_BL",
NVL(BL.DATE_EXP, BL.DATE_LIV) "BL.DATE_EXP",
NVL(BL.TRANSIT, 0) "BL.TRANSIT",
BL.DATE_LIV "BL.DATE_LIV",
BL.STATUT "BL.STATUT",
BL.BL_SS_FACT "BL.BL_SS_FACT",
BL.TEXTE_COM "BL.TEXTE_COM",
BL.TEXTE_JAA "BL.TEXTE_JAA",
BL.DATE_CREAT "BL.DATE_CREAT",
BL.DATE_MODIF "BL.DATE_MODIF",
BL.INACTIF "BL.INACTIF",
BL.STATUT_JAA_FAB "BL.STATUT_JAA_FAB",
BL.STATUT_JAA_REP "BL.STATUT_JAA_REP",

BL_LG.CD_BL "BL_LG.CD_BL",
BL_LG.NUM_LIGNE "BL_LG.NUM_LIGNE",
BL_LG.CD_C_CMD "BL_LG.CD_C_CMD",
BL_LG.N_LIGNE "BL_LG.N_LIGNE",
BL_LG.CD_COND_TRANS "BL_LG.CD_COND_TRANS",
BL_LG.CD_EMP_CRE "BL_LG.CD_EMP_CRE",
BL_LG.CD_EMP_MOD "BL_LG.CD_EMP_MOD",
BL_LG.FORMAT.QTE_LIVREE "BL_LG.QTE_LIVREE",
BL_LG.FORMAT.QTE_FACT "BL_LG.QTE_FACT",
BL_LG.FORMAT.ATT_FACT "BL_LG.ATT_FACT",
BL_LG.FORMAT.QTE_FACTATT "BL_LG.QTE_FACATT",
BL_LG.TEXTE_COM "BL_LG.TEXTE_COM",
BL_LG.DATE_CREAT "BL_LG.DATE_CREAT",
BL_LG.DATE_MODIF "BL_LG.DATE_MODIF",
BL_LG.N_JAA "BL_LG.N_JAA",
CLI_AD_LIV.CD_CLIENT "CLI_AD_LIV.CD_CLIENT",
CLI_AD_LIV.N_ADR_LIV "CLI_AD_LIV.N_ADR_LIV",
CLI_AD_LIV.CD_COND_TRANS "CLI_AD_LIV.CD_COND_TRANS",
CLI_AD_LIV.CD_EMP_CRE "CLI_AD_LIV.CD_EMP_CRE",
CLI_AD_LIV.CD_EMP_MOD "CLI_AD_LIV.CD_EMP_MOD",
CLI_AD_LIV.NOM "CLI_AD_LIV.NOM",
CLI_AD_LIV.CPLT_NOM "CLI_AD_LIV.CPLT_NOM",
CLI_AD_LIV.ADR1 "CLI_AD_LIV.ADR1",
CLI_AD_LIV.ADR2 "CLI_AD_LIV.ADR2",
CLI_AD_LIV.BP "CLI_AD_LIV.BP",
CLI_AD_LIV.CP "CLI_AD_LIV.CP",
CLI_AD_LIV.VILLE "CLI_AD_LIV.VILLE",
CLI_AD_LIV.PAYS "CLI_AD_LIV.PAYS",
CLI_AD_LIV.N_TEL "CLI_AD_LIV.N_TEL",
CLI_AD_LIV.N_FAX "CLI_AD_LIV.N_FAX",
CLI_AD_LIV.N EDI "CLI_AD_LIV.N EDI",
CLI_AD_LIV.DATE_CREAT "CLI_AD_LIV.DATE_CREAT",
CLI_AD_LIV.DATE_MODIF "CLI_AD_LIV.DATE_MODIF",
CLI_AD_LIV.E_MAIL "CLI_AD_LIV.E_MAIL",
CLI_AD_LIV.SITE_WEB "CLI_AD_LIV.SITE_WEB",
C_CMD.CD_C_CMD "C_CMD.CD_C_CMD",
C_CMD.CD_MONNAIE "C_CMD.CD_MONNAIE",
C_CMD.CD_COND_REG "C_CMD.CD_COND_REG",
C_CMD.CD_TYPE_TVA "C_CMD.CD_TYPE_TVA",
C_CMD.CD_CLIENT "C_CMD.CD_CLIENT",
C_CMD.CD_QUALITE "C_CMD.CD_QUALITE",
C_CMD.N_ADR_FAC "C_CMD.N_ADR_FAC",
C_CMD.N_ADR_LIV "C_CMD.N_ADR_LIV",
C_CMD.N_CONTACT "C_CMD.N_CONTACT",
C_CMD.CD_SOCIETE "C_CMD.CD_SOCIETE",
C_CMD.CD_EMP_VALID "C_CMD.CD_EMP_VALID",
C_CMD.CD_EMP_CRE "C_CMD.CD_EMP_CRE",
C_CMD.CD_EMP_MOD "C_CMD.CD_EMP_MOD",
C_CMD.ID_C_CMD "C_CMD.ID_C_CMD",
C_CMD.ID_ANNEE "C_CMD.ID_ANNEE",
C_CMD.N_CMD_CLI "C_CMD.N_CMD_CLI",
C_CMD.DATE_CMD "C_CMD.DATE_CMD",
C_CMD.TVA "C_CMD.TVA",
C_CMD.CD_REVUE "C_CMD.CD_REVUE",
C_CMD.STATUT "C_CMD.STATUT",
C_CMD.FRAIS_TRANS "C_CMD.FRAIS_TRANS",
C_CMD.MONTANT "C_CMD.MONTANT",
C_CMD.VALIDEE "C_CMD.VALIDEE",
C_CMD.DATE_CREAT "C_CMD.DATE_CREAT",
C_CMD.DATE_MODIF "C_CMD.DATE_MODIF",
C_CMD.LIBREAUN "C_CMD.LIBREAUN",
C_CMD.INACTIF "C_CMD.INACTIF",
C_CMD_LG.CD_C_CMD "C_CMD_LG.CD_C_CMD",

C_CMD_LG.N_LIGNE "C_CMD_LG.N_LIGNE",
C_CMD_LG.CD_C_CMD_LG_TYPE "C_CMD_LG.CD_C_CMD_LG_TYPE",
C_CMD_LG.CD_CLIENT "C_CMD_LG.CD_CLIENT",
C_CMD_LG.CD_ARTICLE "C_CMD_LG.CD_ARTICLE",
C_CMD_LG.CD_COND_TRANS "C_CMD_LG.CD_COND_TRANS",
C_CMD_LG.CD_COND_PAIE "C_CMD_LG.CD_COND_PAIE",
C_CMD_LG.CD_EMP_CRE "C_CMD_LG.CD_EMP_CRE",
C_CMD_LG.CD_EMP_MOD "C_CMD_LG.CD_EMP_MOD",
C_CMD_LG.CD_EMP_SUIVI "C_CMD_LG.CD_EMP_SUIVI",
C_CMD_LG.N_PO_CLI "C_CMD_LG.N_PO_CLI",
C_CMD_LG.N_DOSSIER "C_CMD_LG.N_DOSSIER",
"C_CMD_LG.REF_ARTI",
"C_CMD_LG.DES_ARTI",
C_CMD_LG.DATE_LIV "C_CMD_LG.DATE_LIV",
C_CMD_LG.DATE_LIVPL "C_CMD_LG.DATE_LIVPL",
C_CMD_LG.SPEC_ARTI "C_CMD_LG.SPEC_ARTI",
C_CMD_LG.APPRO_CLI "C_CMD_LG.APPRO_CLI",
C_CMD_LG.FORMAT.QTE "C_CMD_LG.QTE_CMDEE",
C_CMD_LG.PRIX_UNIT "C_CMD_LG.PRIX_UNIT",
C_CMD_LG.FORMAT.QTE_LANCEE "C_CMD_LG.QTE_LANCEE",
C_CMD_LG.FORMAT.QTE_RES_STK "C_CMD_LG.QTE_RESER",
C_CMD_LG.FORMAT.QTE_LIVREE "C_CMD_LG.QTE_LIVREE",
C_CMD_LG.FORMAT.QTE_LIVATT "C_CMD_LG.QTE_LIVATT",
C_CMD_LG.FORMAT.QTE_SSFACT "C_CMD_LG.QTE_SSFACT",
C_CMD_LG.FORMAT.QTE_FACT "C_CMD_LG.QTE_FACT",
C_CMD_LG.SOLDEE "C_CMD_LG.SOLDEE",
C_CMD_LG.TEXTE_COM "C_CMD_LG.TEXTE_COM",
C_CMD_LG.DATE_CREAT "C_CMD_LG.DATE_CREAT",
C_CMD_LG.DATE_MODIF "C_CMD_LG.DATE_MODIF",
C_CMD_LG.MANUELLE "C_CMD_LG.MANUELLE",
C_CMD_LG.JAA_FORM_ONE "C_CMD_LG.JAA_FORM_ONE",
C_CMD_LG.LIBREAUN "C_CMD_LG.LIBREAUN",
CLIENT.ID_CLIENT "CLIENT.ID_CLIENT",
CLIENT.NOM "CLIENT.NOM",
CLIENT.VILLE "CLIENT.VILLE",
SOCIETE.CD_SOCIETE "SOCIETE.CD_SOCIETE",
SOCIETE.CD_CAL_C "SOCIETE.CD_CAL_C",
SOCIETE.CD_CAL_A "SOCIETE.CD_CAL_A",
SOCIETE.CD_EMP_CRE "SOCIETE.CD_EMP_CRE",
SOCIETE.CD_EMP_MOD "SOCIETE.CD_EMP_MOD",
SOCIETE.NOM "SOCIETE.NOM",
SOCIETE.CPLT_NOM "SOCIETE.CPLT_NOM",
SOCIETE.ADR1 "SOCIETE.ADR1",
SOCIETE.ADR2 "SOCIETE.ADR2",
SOCIETE.BP "SOCIETE.BP",
SOCIETE.CP "SOCIETE.CP",
SOCIETE.VILLE "SOCIETE.VILLE",
SOCIETE.PAYS "SOCIETE.PAYS",
SOCIETE.N_TEL "SOCIETE.N_TEL",
SOCIETE.N_FAX "SOCIETE.N_FAX",
SOCIETE.N_EDI "SOCIETE.N_EDI",
SOCIETE.E_MAIL "SOCIETE.E_MAIL",
SOCIETE.SITE_WEB "SOCIETE.SITE_WEB",
SOCIETE.DATE_CREAT "SOCIETE.DATE_CREAT",
SOCIETE.DATE_MODIF "SOCIETE.DATE_MODIF",
SOCIETE.INACTIF "SOCIETE.INACTIF",
SOCIETE.ABREV "SOCIETE.ABREV",
SOCIETE.EFFECTIF "SOCIETE.EFFECTIF",
SOCIETE.TVA_CEE "SOCIETE.TVA_CEE",
SOCIETE.BD_NET "SOCIETE.BD_NET",
SOCIETE.CODE_SOC "SOCIETE.CODE_SOC",
SOCIETE.LOGO "SOCIETE.LOGO",
SOCIETE.FRM_JURIDI "SOCIETE.FRM_JURIDI",

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SOCIETE.REG_COMMER "SOCIETE.REG_COMMER",
SOCIETE.CODE_APE "SOCIETE.CODE_APE",
SOCIETE.MODE_TVA "SOCIETE.MODE_TVA",
SOCIETE.JAA_NAV "SOCIETE.JAA_NAV",
SOCIETE.JAA_REP "SOCIETE.JAA_REP",
MONNAIE.ABREV "MONNAIE.ABREV",
H_MONNAIE.TAUX "H_MONNAIE.TAUX",
UNITE.CD_UNITE "UNITE.CD_UNITE",
UNITE.ABREV "UNITE.ABREV",
(SELECT ABREV FROM MONNAIE WHERE VAL_DEF = 1) as "ABREV_REF_MONNAIE"
FROM ARTICLE, BL, BL_LG, CLI_AD_LIV, C_CMD, C_CMD_LG, SOCIETE, CLIENT, MONNAIE, H_MONNAIE, UNITE,
BL_LG_FORMAT, C_CMD_LG_FORMAT
WHERE
BL_LG.CD_C_CMD = C_CMD.CD_C_CMD AND
BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE AND
C_CMD_LG_FORMAT.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
C_CMD_LG_FORMAT.N_LIGNE = C_CMD_LG.N_LIGNE AND
C_CMD_LG_FORMAT.CD_UNITE = UNITE.CD_UNITE AND
BL_LG.CD_BL = BL.CD_BL AND
BL_LG.CD_BL = BL_LG_FORMAT.CD_BL AND
BL_LG.NUM_LIGNE = BL_LG_FORMAT.NUM_LIGNE AND
BL.CD_CLIENT = CLIENT.CD_CLIENT AND
BL.CD_CLIENT = CLI_AD_LIV.CD_CLIENT AND
BL.N_ADR_LIV = CLI_AD_LIV.N_ADR_LIV AND
C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+) AND
C_CMD.CD_MONNAIE = MONNAIE.CD_MONNAIE AND
C_CMD.CD_H_MONNAIE = H_MONNAIE.CD_H_MONNAIE AND
BL.CD_SOCIETE = SOCIETE.CD_SOCIETE AND
ARTICLE.CD_TYPE_GESTION = 2 AND
BL.BL_SS_FACT = 0 AND
NVL(BL.CONSIGNATION, 0) = 0 AND
BL.INACTIF = 0 AND
BL.STATUT = 'EC' AND
NVL(BL_LG_FORMAT.QTE_LIVREE, 0) - NVL(BL_LG_FORMAT.QTE_FACT, 0) -
NVL(BL_LG_FORMAT.QTE_FACTATT, 0) > 0

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2.2.2.6 Vue VUE_LIV_FACT_DIFF

2.2.2.6.1 Requête SQL de la vue VUE_LIV_FACT_DIFF

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select TO_CHAR(BL.DATE_LIV, 'YYYY') as ANNEE_LIV, TO_CHAR(BL.DATE_LIV, 'MM') as MOIS_LIV, BL.ID_BL as
"BL.ID_BL", BL.DATE_LIV as "BL.DATE_LIV", ROUND(SUM((C_CMD_LG.PRIX_UNIT * H_MONNAIE.TAUX *
BL_LG.QTE_LIVREE) / DECODE((SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND
NUM_LIGNE = BL_LG.NUM_LIGNE), 0, 1, (SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL
AND NUM_LIGNE = BL_LG.NUM_LIGNE))), 2) as MTT_LIV, ROUND(SUM((SELECT SUM(FLG.QTE_FACT *
CLG.PRIX_UNIT * H.TAUX / (SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND
NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM FACT_LG FLG, C_CMD_LG CLG, BL_LG BLG, C_CMD C, H_MONNAIE
H WHERE FLG.CD_BL = BLG.CD_BL AND FLG.NUM_LIGNE = BLG.NUM_LIGNE AND BLG.CD_C_CMD =
CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE AND CLG.CD_C_CMD = C.CD_C_CMD AND
C.CD_H_MONNAIE = H.CD_H_MONNAIE AND BLG.CD_BL = BL_LG.CD_BL AND BLG.NUM_LIGNE =
BL_LG.NUM_LIGNE)), 2) as MTT_FACT
, ROUND(SUM((SELECT SUM(ALG.QTE_A_REFACT * CLG.PRIX_UNIT * H.TAUX / (SELECT COUNT(*) FROM
FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM AVOIR_LG ALG,
FACT_LG FLG, C_CMD_LG CLG, BL_LG BLG, C_CMD C, H_MONNAIE H WHERE ALG.CD_FACTURE =
FLG.CD_FACTURE AND ALG.LIG_FACTURE = FLG.LIG_FACTURE AND FLG.CD_BL = BLG.CD_BL AND
FLG.NUM_LIGNE = BLG.NUM_LIGNE AND BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE
AND CLG.CD_C_CMD = C.CD_C_CMD AND C.CD_H_MONNAIE = H.CD_H_MONNAIE AND BLG.CD_BL =
BL_LG.CD_BL AND BLG.NUM_LIGNE = BL_LG.NUM_LIGNE)), 2) as MTT_AVOIR
, (ABS(ROUND(SUM((C_CMD_LG.PRIX_UNIT * H_MONNAIE.TAUX * BL_LG.QTE_LIVREE) / DECODE((SELECT
COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE), 0, 1,
(SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE =
BL_LG.NUM_LIGNE))), 2) - ROUND(SUM((SELECT SUM(FLG.QTE_FACT * CLG.PRIX_UNIT * H.TAUX / (SELECT

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COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM
FACT_LG FLG, C_CMD_LG CLG, BL_LG BLG, C_CMD C, H_MONNAIE H WHERE FLG.CD_BL = BLG.CD_BL AND
FLG.NUM_LIGNE = BLG.NUM_LIGNE AND BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE
AND CLG.CD_C_CMD = C.CD_C_CMD AND C.CD_H_MONNAIE = H.CD_H_MONNAIE AND BLG.CD_BL =
BL_LG.CD_BL AND BLG.NUM_LIGNE = BL_LG.NUM_LIGNE)), 2) )) as DIFFERENCE
, (ABS(ROUND(SUM((C_CMD_LG.PRIX_UNIT * H_MONNAIE.TAUX * BL_LG.QTE_LIVREE) / DECODE((SELECT
COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE), 0,
1,(SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE =
BL_LG.NUM_LIGNE))), 2)-(ROUND(SUM((SELECT SUM(FLG.QTE_FACT * CLG.PRIX_UNIT * H.TAUX/(SELECT
COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM
FACT_LG FLG, C_CMD_LG CLG, BL_LG BLG, C_CMD C, H_MONNAIE H WHERE FLG.CD_BL = BLG.CD_BL AND
FLG.NUM_LIGNE = BLG.NUM_LIGNE AND BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE
AND CLG.CD_C_CMD = C.CD_C_CMD AND C.CD_H_MONNAIE = H.CD_H_MONNAIE AND BLG.CD_BL =
BL_LG.CD_BL AND BLG.NUM_LIGNE = BL_LG.NUM_LIGNE)), 2) +ROUND(SUM((SELECT
SUM(ALG.QTE_A_REFACT * CLG.PRIX_UNIT * H.TAUX / (SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL
= BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM AVOIR_LG ALG, FACT_LG FLG, C_CMD_LG CLG,
BL_LG BLG, C_CMD C, H_MONNAIE H WHERE ALG.CD_FACTURE = FLG.CD_FACTURE AND ALG.LIG_FACTURE =
FLG.LIG_FACTURE AND FLG.CD_BL = BLG.CD_BL AND FLG.NUM_LIGNE = BLG.NUM_LIGNE AND
BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE AND CLG.CD_C_CMD = C.CD_C_CMD AND
C.CD_H_MONNAIE = H.CD_H_MONNAIE AND BLG.CD_BL = BL_LG.CD_BL AND BLG.NUM_LIGNE =
BL_LG.NUM_LIGNE))), 2))) ) as DIFF_AV_IN
from BL, BL_LG, CLIENT, C_CMD, C_CMD_LG, FACTURE, FACT_LG, AVOIR_LG, MONNAIE, H_MONNAIE, ARTICLE,
MONNAIE MONNAIE_FACTURE, H_MONNAIE H_MONNAIE_FACTURE
where BL_LG.CD_BL = BL.CD_BL AND BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND BL_LG.N_LIGNE =
C_CMD_LG.N_LIGNE AND C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+) AND
ARTICLE.CD_TYPE_GESTION = 1 AND BL_LG.CD_C_CMD = C_CMD.CD_C_CMD AND BL_LG.CD_BL =
FACT_LG.CD_BL (+) AND BL_LG.NUM_LIGNE = FACT_LG.NUM_LIGNE (+) AND BL.CD_CLIENT =
CLIENT.CD_CLIENT AND FACT_LG.CD_FACTURE = FACTURE.CD_FACTURE (+) AND AVOIR_LG.CD_FACTURE (+)
= FACT_LG.CD_FACTURE AND AVOIR_LG.LIG_FACTURE (+) = FACT_LG.LIG_FACTURE AND
C_CMD.CD_MONNAIE = MONNAIE.CD_MONNAIE AND C_CMD.CD_H_MONNAIE = H_MONNAIE.CD_H_MONNAIE
AND FACTURE.CD_MONNAIE = MONNAIE_FACTURE.CD_MONNAIE (+) AND FACTURE.CD_H_MONNAIE =
H_MONNAIE_FACTURE.CD_H_MONNAIE (+) AND BL.BL_SS_FACT = 0 AND BL.STATUT <> 'A' AND BL.STATUT <>
'EA'
group by TO_CHAR(BL.DATE_LIV, 'YYYY'), TO_CHAR(BL.DATE_LIV, 'MM'), "BL.ID_BL", "BL.DATE_LIV"
UNION
select TO_CHAR(BL.DATE_LIV, 'YYYY') as ANNEE_LIV, TO_CHAR(BL.DATE_LIV, 'MM') as MOIS_LIV, BL.ID_BL as
"BL.ID_BL", BL.DATE_LIV as "BL.DATE_LIV", ROUND(SUM((C_CMD_LG.PRIX_UNIT * H_MONNAIE.TAUX *
BL_LG.QTE_LIVREE) / DECODE((SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND
NUM_LIGNE = BL_LG.NUM_LIGNE), 0, 1, (SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL
AND NUM_LIGNE = BL_LG.NUM_LIGNE))), 2) as MTT_LIV
, ROUND(SUM((SELECT SUM(FLG.QTE_FACT * CLG.PRIX_UNIT * H.TAUX / (SELECT COUNT(*) FROM FACT_LG
FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM FACT_LG FLG,
FACT_LG_FORMAT FLG_FT, C_CMD_LG CLG, C_CMD_LG_FORMAT CLG_FT, BL_LG BLG, BL_LG_FORMAT
BLG_FT, C_CMD C, H_MONNAIE H WHERE FLG.CD_BL = BLG.CD_BL AND FLG.NUM_LIGNE = BLG.NUM_LIGNE
AND FLG_FT.CD_FACTURE = FLG.CD_FACTURE AND FLG_FT.LIG_FACTURE = FLG.LIG_FACTURE AND
BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE AND BLG_FT.CD_BL = BLG.CD_BL AND
BLG_FT.NUM_LIGNE = BLG.NUM_LIGNE AND CLG.CD_C_CMD = C.CD_C_CMD AND C.CD_H_MONNAIE =
H.CD_H_MONNAIE AND CLG_FT.CD_C_CMD = CLG.CD_C_CMD AND CLG_FT.N_LIGNE = CLG.N_LIGNE AND
BLG.CD_BL = BL_LG.CD_BL AND BLG.NUM_LIGNE = BL_LG.NUM_LIGNE)), 2) as MTT_FACT
, ROUND(SUM((SELECT SUM(ALG.QTE_A_REFACT * CLG.PRIX_UNIT * H.TAUX / (SELECT COUNT(*) FROM
FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM AVOIR_LG ALG,
AVOIR_LG_FORMAT ALG_FT, FACT_LG FLG, FACT_LG_FORMAT FLG_FT, C_CMD_LG CLG, C_CMD_LG_FORMAT
CLG_FT, BL_LG BLG, BL_LG_FORMAT BLG_FT, C_CMD C, H_MONNAIE H WHERE ALG.CD_FACTURE =
FLG.CD_FACTURE AND ALG.LIG_FACTURE = FLG.LIG_FACTURE AND ALG_FT.CD_AVOIR = ALG.CD_AVOIR AND
ALG_FT.N_LIGNE = ALG.N_LIGNE AND FLG.CD_BL = BLG.CD_BL AND FLG.NUM_LIGNE = BLG.NUM_LIGNE AND
FLG_FT.CD_FACTURE = FLG.CD_FACTURE AND FLG_FT.LIG_FACTURE = FLG.LIG_FACTURE AND
BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE AND BLG_FT.CD_BL = BLG.CD_BL AND
BLG_FT.NUM_LIGNE = BLG.NUM_LIGNE AND CLG_FT.CD_C_CMD = CLG.CD_C_CMD AND CLG_FT.N_LIGNE =
CLG.N_LIGNE AND CLG.CD_C_CMD = C.CD_C_CMD AND C.CD_H_MONNAIE = H.CD_H_MONNAIE AND
BLG.CD_BL = BL_LG.CD_BL AND BLG.NUM_LIGNE = BL_LG.NUM_LIGNE)), 2) as MTT_AVOIR
, (ABS(ROUND(SUM((C_CMD_LG.PRIX_UNIT * H_MONNAIE.TAUX * BL_LG.QTE_LIVREE) / DECODE((SELECT
COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE), 0, 1,
(SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE =

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BL_LG.NUM_LIGNE))), 2) -ROUND(SUM((SELECT SUM(FLG.QTE_FACT * CLG.PRIX_UNIT * H.TAUX / (SELECT
COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM
FACT_LG FLG, FACT_LG_FORMAT FLG_FT, C_CMD_LG CLG, C_CMD_LG_FORMAT CLG_FT, BL_LG BLG,
BL_LG_FORMAT BLG_FT, C_CMD C, H_MONNAIE H WHERE FLG.CD_BL = BLG.CD_BL AND FLG.NUM_LIGNE =
BLG.NUM_LIGNE AND FLG_FT.CD_FACTURE = FLG.CD_FACTURE AND FLG_FT.LIG_FACTURE =
FLG.LIG_FACTURE AND BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE AND
BLG_FT.CD_BL = BLG.CD_BL AND BLG_FT.NUM_LIGNE = BLG.NUM_LIGNE AND CLG.CD_C_CMD = C.CD_C_CMD
AND C.CD_H_MONNAIE = H.CD_H_MONNAIE AND CLG_FT.CD_C_CMD = CLG.CD_C_CMD AND CLG_FT.N_LIGNE
= CLG.N_LIGNE AND BLG.CD_BL = BL_LG.CD_BL AND BLG.NUM_LIGNE = BL_LG.NUM_LIGNE))), 2) )) as
DIFFERENCE
, (ABS(ROUND(SUM((C_CMD_LG.PRIX_UNIT * H_MONNAIE.TAUX * BL_LG.QTE_LIVREE) / DECODE((SELECT
COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE), 0, 1,
(SELECT COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE =
BL_LG.NUM_LIGNE))), 2) - (ROUND(SUM((SELECT SUM(FLG.QTE_FACT * CLG.PRIX_UNIT * H.TAUX / (SELECT
COUNT(*) FROM FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM
FACT_LG FLG, FACT_LG_FORMAT FLG_FT, C_CMD_LG CLG, C_CMD_LG_FORMAT CLG_FT, BL_LG BLG,
BL_LG_FORMAT BLG_FT, C_CMD C, H_MONNAIE H WHERE FLG.CD_BL = BLG.CD_BL AND FLG.NUM_LIGNE =
BLG.NUM_LIGNE AND FLG_FT.CD_FACTURE = FLG.CD_FACTURE AND FLG_FT.LIG_FACTURE =
FLG.LIG_FACTURE AND BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE AND
BLG_FT.CD_BL = BLG.CD_BL AND BLG_FT.NUM_LIGNE = BLG.NUM_LIGNE AND CLG.CD_C_CMD = C.CD_C_CMD
AND C.CD_H_MONNAIE = H.CD_H_MONNAIE AND CLG_FT.CD_C_CMD = CLG.CD_C_CMD AND CLG_FT.N_LIGNE
= CLG.N_LIGNE AND BLG.CD_BL = BL_LG.CD_BL AND BLG.NUM_LIGNE = BL_LG.NUM_LIGNE))), 2)
+ROUND(SUM((SELECT SUM(ALG.QTE_A_REFACT * CLG.PRIX_UNIT * H.TAUX / (SELECT COUNT(*) FROM
FACT_LG FLG WHERE CD_BL = BL_LG.CD_BL AND NUM_LIGNE = BL_LG.NUM_LIGNE)) FROM AVOIR_LG ALG,
AVOIR_LG_FORMAT ALG_FT, FACT_LG FLG, FACT_LG_FORMAT FLG_FT, C_CMD_LG CLG, C_CMD_LG_FORMAT
CLG_FT, BL_LG BLG, BL_LG_FORMAT BLG_FT, C_CMD C, H_MONNAIE H WHERE ALG.CD_FACTURE =
FLG.CD_FACTURE AND ALG.LIG_FACTURE = FLG.LIG_FACTURE AND ALG_FT.CD_AVOIR = ALG.CD_AVOIR AND
ALG_FT.N_LIGNE = ALG.N_LIGNE AND FLG.CD_FACTURE = FLG_FT.CD_FACTURE AND FLG.LIG_FACTURE =
FLG_FT.LIG_FACTURE AND FLG.CD_BL = BLG.CD_BL AND FLG.NUM_LIGNE = BLG.NUM_LIGNE AND
BLG.CD_C_CMD = CLG.CD_C_CMD AND BLG.N_LIGNE = CLG.N_LIGNE AND BLG_FT.CD_BL = BLG.CD_BL AND
BLG_FT.NUM_LIGNE = BLG.NUM_LIGNE AND CLG_FT.CD_C_CMD = CLG.CD_C_CMD AND CLG_FT.N_LIGNE =
CLG.N_LIGNE AND CLG.CD_C_CMD = C.CD_C_CMD AND C.CD_H_MONNAIE = H.CD_H_MONNAIE AND
BLG.CD_BL = BL_LG.CD_BL AND BLG.NUM_LIGNE = BL_LG.NUM_LIGNE))), 2))) ) as DIFF_AV_IN
from BL, BL_LG, BL_LG_FORMAT, CLIENT, C_CMD, C_CMD_LG, C_CMD_LG_FORMAT, FACTURE, FACT_LG,
FACT_LG_FORMAT, AVOIR_LG, AVOIR_LG_FORMAT, MONNAIE, H_MONNAIE, UNITE, ARTICLE, MONNAIE
MONNAIE_FACTURE, H_MONNAIE_H_MONNAIE_FACTURE
where BL_LG.CD_BL = BL.CD_BL AND BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND BL_LG.N_LIGNE =
C_CMD_LG.N_LIGNE AND C_CMD_LG_FORMAT.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
C_CMD_LG_FORMAT.N_LIGNE = C_CMD_LG.N_LIGNE AND C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+)
AND ARTICLE.CD_TYPE_GESTION = 2 AND BL_LG.CD_BL = BL_LG_FORMAT.CD_BL AND BL_LG.NUM_LIGNE =
BL_LG_FORMAT.NUM_LIGNE AND BL_LG_FORMAT.CD_UNITE = UNITE.CD_UNITE AND BL_LG.CD_C_CMD =
C_CMD.CD_C_CMD AND BL_LG.CD_BL = FACT_LG.CD_BL (+) AND BL_LG.NUM_LIGNE = FACT_LG.NUM_LIGNE
(+) AND FACT_LG.CD_FACTURE = FACT_LG_FORMAT.CD_FACTURE (+) AND FACT_LG.LIG_FACTURE =
FACT_LG_FORMAT.LIG_FACTURE (+) AND BL.CD_CLIENT = CLIENT.CD_CLIENT AND FACT_LG.CD_FACTURE =
FACTURE.CD_FACTURE (+) AND AVOIR_LG.CD_FACTURE (+) = FACT_LG.CD_FACTURE AND
AVOIR_LG.LIG_FACTURE (+) = FACT_LG.LIG_FACTURE AND AVOIR_LG_FORMAT.CD_AVOIR =
AVOIR_LG.CD_AVOIR AND AVOIR_LG_FORMAT.N_LIGNE = AVOIR_LG.N_LIGNE AND C_CMD.CD_MONNAIE =
MONNAIE.CD_MONNAIE AND C_CMD.CD_H_MONNAIE = H_MONNAIE.CD_H_MONNAIE
AND FACTURE.CD_MONNAIE = MONNAIE_FACTURE.CD_MONNAIE (+) AND FACTURE.CD_H_MONNAIE =
H_MONNAIE_FACTURE.CD_H_MONNAIE (+) AND BL.BL_SS_FACT = 0 AND BL.STATUT <> 'A' AND BL.STATUT <>
'EA'
group by TO_CHAR(BL.DATE_LIV, 'YYYY'), TO_CHAR(BL.DATE_LIV, 'MM'), "BL.ID_BL", "BL.DATE_LIV"

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2.2.2.7 Vue VUE_LIV_FIC

2.2.2.7.1 Requête SQL de la vue VUE_LIV_FIC

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SELECT ARTICLE.CD_ARTICLE "ARTICLE.CD_ARTICLE",
ARTICLE.CD_ARTI_FAMILLE "ARTICLE.CD_ARTI_FAMILLE",
ARTICLE.CD_ARTI_SS_FAMILLE "ARTICLE.CD_ARTI_SS_FAMILLE",
ARTICLE.CD_MONNAIE "ARTICLE.CD_MONNAIE",
ARTICLE.CD_CLIENT "ARTICLE.CD_CLIENT",
ARTICLE.CD_NOMENCLATURE "ARTICLE.CD_NOMENCLATURE",

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ARTICLE.CD_GAMME "ARTICLE.CD_GAMME",
ARTICLE.CD_EMP_CRE "ARTICLE.CD_EMP_CRE",
ARTICLE.CD_EMP_MOD "ARTICLE.CD_EMP_MOD",
ARTICLE.ID_ARTICLE "ARTICLE.ID_ARTICLE",
ARTICLE.LIBELLE "ARTICLE.LIBELLE",
ARTICLE.REF "ARTICLE.REF",
ARTICLE.REF_EPUREE "ARTICLE.REF_EPUREE",
ARTICLE.REF_CLI "ARTICLE.REF_CLI",
ARTICLE.PRIX_UNIT "ARTICLE.PRIX_UNIT",
ARTICLE.CLASSE_CLI "ARTICLE.CLASSE_CLI",
ARTICLE.TEXTE_COM "ARTICLE.TEXTE_COM",
ARTICLE.REF_DROITE "ARTICLE.REF_DROITE",
ARTICLE.ARCHIVE "ARTICLE.ARCHIVE",
ARTICLE.ARTI_DEVIS "ARTICLE.ARTI_DEVIS",
ARTICLE.PRES_COMP "ARTICLE.PRES_COMP",
ARTICLE.PRES_MATI "ARTICLE.PRES_MATI",
ARTICLE.VALIDEE "ARTICLE.VALIDEE",
ARTICLE.PRODUIT "ARTICLE.PRODUIT",
ARTICLE.PROC_PREM "ARTICLE.PROC_PREM",
ARTICLE.RECALC_TPS "ARTICLE.RECALC_TPS",
ARTICLE.INACTIF "ARTICLE.INACTIF",
ARTICLE.N_INDIV "ARTICLE.N_INDIV",
ARTICLE.CUMUL_TPS "ARTICLE.CUMUL_TPS",
ARTICLE.DATE_CREAT "ARTICLE.DATE_CREAT",
ARTICLE.DATE_MODIF "ARTICLE.DATE_MODIF",
ARTICLE.LOT_ECO "ARTICLE.LOT_ECO",
ARTICLE.QTE_ECO "ARTICLE.QTE_ECO",
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ARTICLE.N_ANA "ARTICLE.N_ANA",
ARTICLE.VOL_UNIT "ARTICLE.VOL_UNIT",
ARTICLE.PDS_UNIT "ARTICLE.PDS_UNIT",
ARTICLE.NB_ARTCOLI "ARTICLE.NB_ARTCOLI",
ARTICLE.PDS_COLIS "ARTICLE.PDS_COLIS",
ARTICLE.REPARATION "ARTICLE.REPARATION",
ARTICLE.PHOTO "ARTICLE.PHOTO",
ARTICLE.FICHER "ARTICLE.FICHER",
BL.CD_BL "BL.CD_BL",
BL.CD_CLIENT "BL.CD_CLIENT",
BL.N_ADR_LIV "BL.N_ADR_LIV",
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BL.CD_EMP_CRE "BL.CD_EMP_CRE",
BL.CD_EMP_MOD "BL.CD_EMP_MOD",
BL.CD_EMP_SIGNE "BL.CD_EMP_SIGNE",
BL.CD_EMP_JAA "BL.CD_EMP_JAA",
BL.ID_BL "BL.ID_BL",
NVL(BL.DATE_EXP, BL.DATE_LIV) "BL.DATE_EXP",
NVL(BL.TRANSIT, 0) "BL.TRANSIT",
BL.DATE_LIV "BL.DATE_LIV",
TO_CHAR(BL.DATE_LIV, 'DD') "JOUR_LIV",
TO_CHAR(BL.DATE_LIV, 'MM') "MOIS_LIV",
TO_CHAR(BL.DATE_LIV, 'YYYY') "ANNEE_LIV",
BL.STATUT "BL.STATUT",
BL.BL_SS_FACT "BL.BL_SS_FACT",
BL.TEXTE_COM "BL.TEXTE_COM",
BL.TEXTE_JAA "BL.TEXTE_JAA",
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BL.STATUT_JAA_REP "BL.STATUT_JAA_REP",
BL_LG.CD_BL "BL_LG.CD_BL",
BL_LG.NUM_LIGNE "BL_LG.NUM_LIGNE",
BL_LG.CD_C_CMD_LG_ACPT "BL_LG.CD_C_CMD_LG_ACPT",

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BL_LG.CD_C_CMD "BL_LG.CD_C_CMD",
BL_LG.N_LIGNE "BL_LG.N_LIGNE",
BL_LG.CD_COND_TRANS "BL_LG.CD_COND_TRANS",
BL_LG.CD_EMP_CRE "BL_LG.CD_EMP_CRE",
BL_LG.CD_EMP_MOD "BL_LG.CD_EMP_MOD",
BL_LG.QTE_LIVREE "BL_LG.QTE_LIVREE",
BL_LG.QTE_FACT "BL_LG.QTE_FACT",
BL_LG.ATT_FACT "BL_LG.ATT_FACT",
BL_LG.QTE_FACATT "BL_LG.QTE_FACATT",
BL_LG.TEXTE_COM "BL_LG.TEXTE_COM",
BL_LG.DATE_CREAT "BL_LG.DATE_CREAT",
BL_LG.DATE_MODIF "BL_LG.DATE_MODIF",
BL_LG.N_JAA "BL_LG.N_JAA",
CLI_AD_LIV.CD_CLIENT "CLI_AD_LIV.CD_CLIENT",
CLI_AD_LIV.N_ADR_LIV "CLI_AD_LIV.N_ADR_LIV",
CLI_AD_LIV.CD_COND_TRANS "CLI_AD_LIV.CD_COND_TRANS",
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CLI_AD_LIV.NOM "CLI_AD_LIV.NOM",
CLI_AD_LIV.CPLT_NOM "CLI_AD_LIV.CPLT_NOM",
CLI_AD_LIV.ADR1 "CLI_AD_LIV.ADR1",
CLI_AD_LIV.ADR2 "CLI_AD_LIV.ADR2",
CLI_AD_LIV.BP "CLI_AD_LIV.BP",
CLI_AD_LIV.CP "CLI_AD_LIV.CP",
CLI_AD_LIV.VILLE "CLI_AD_LIV.VILLE",
CLI_AD_LIV.PAYS "CLI_AD_LIV.PAYS",
CLI_AD_LIV.N_TEL "CLI_AD_LIV.N_TEL",
CLI_AD_LIV.N_FAX "CLI_AD_LIV.N_FAX",
CLI_AD_LIV.N EDI "CLI_AD_LIV.N EDI",
CLI_AD_LIV.DATE_CREAT "CLI_AD_LIV.DATE_CREAT",
CLI_AD_LIV.DATE_MODIF "CLI_AD_LIV.DATE_MODIF",
CLI_AD_LIV.E_MAIL "CLI_AD_LIV.E_MAIL",
CLI_AD_LIV.SITE_WEB "CLI_AD_LIV.SITE_WEB",
C_CMD.CD_C_CMD "C_CMD.CD_C_CMD",
C_CMD.CD_MONNAIE "C_CMD.CD_MONNAIE",
C_CMD.CD_COND_REG "C_CMD.CD_COND_REG",
C_CMD.CD_TYPE_TVA "C_CMD.CD_TYPE_TVA",
C_CMD.CD_CLIENT "C_CMD.CD_CLIENT",
C_CMD.CD_QUALITE "C_CMD.CD_QUALITE",
C_CMD.N_ADR_FAC "C_CMD.N_ADR_FAC",
C_CMD.N_ADR_LIV "C_CMD.N_ADR_LIV",
C_CMD.N_CONTACT "C_CMD.N_CONTACT",
C_CMD.CD_SOCIETE "C_CMD.CD_SOCIETE",
C_CMD.CD_EMP_VALID "C_CMD.CD_EMP_VALID",
C_CMD.CD_EMP_CRE "C_CMD.CD_EMP_CRE",
C_CMD.CD_EMP_MOD "C_CMD.CD_EMP_MOD",
C_CMD.ID_C_CMD "C_CMD.ID_C_CMD",
C_CMD.ID_ANNEE "C_CMD.ID_ANNEE",
C_CMD.N_CMD_CLI "C_CMD.N_CMD_CLI",
C_CMD.DATE_CMD "C_CMD.DATE_CMD",
C_CMD.TVA "C_CMD.TVA",
C_CMD.CD_REVUE "C_CMD.CD_REVUE",
C_CMD.STATUT "C_CMD.STATUT",
C_CMD.FRAIS_TRANS "C_CMD.FRAIS_TRANS",
C_CMD.MONTANT "C_CMD.MONTANT",
C_CMD.VALIDEE "C_CMD.VALIDEE",
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SOCIETE.CD_EMP_CRE "SOCIETE.CD_EMP_CRE",
SOCIETE.CD_EMP_MOD "SOCIETE.CD_EMP_MOD",
SOCIETE.NOM "SOCIETE.NOM",
SOCIETE.CPLT_NOM "SOCIETE.CPLT_NOM",
SOCIETE.ADR1 "SOCIETE.ADR1",
SOCIETE.ADR2 "SOCIETE.ADR2",
SOCIETE.BP "SOCIETE.BP",
SOCIETE.CP "SOCIETE.CP",
SOCIETE.VILLE "SOCIETE.VILLE",
SOCIETE.PAYS "SOCIETE.PAYS",
SOCIETE.N_TEL "SOCIETE.N_TEL",
SOCIETE.N_FAX "SOCIETE.N_FAX",
SOCIETE.N_EDI "SOCIETE.N_EDI",
SOCIETE.E_MAIL "SOCIETE.E_MAIL",
SOCIETE.SITE_WEB "SOCIETE.SITE_WEB",
SOCIETE.DATE_CREAT "SOCIETE.DATE_CREAT",
SOCIETE.DATE_MODIF "SOCIETE.DATE_MODIF",
SOCIETE.INACTIF "SOCIETE.INACTIF",
SOCIETE.ABREV "SOCIETE.ABREV",
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SOCIETE.BD_NET "SOCIETE.BD_NET",
SOCIETE.CODE_SOC "SOCIETE.CODE_SOC",
SOCIETE.LOGO "SOCIETE.LOGO",
SOCIETE.FRM_JURIDI "SOCIETE.FRM_JURIDI",
SOCIETE.REG_COMMER "SOCIETE.REG_COMMER",
SOCIETE.CODE_APE "SOCIETE.CODE_APE",
SOCIETE.MODE_TVA "SOCIETE.MODE_TVA",
SOCIETE.JAA_NAV "SOCIETE.JAA_NAV",

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SOCIETE.JAA_REP "SOCIETE.JAA_REP",
SOCIETE.SIRET "SOCIETE.SIRET",
SOCIETE.SIREN "SOCIETE.SIREN",
SOCIETE.CAPITAL "SOCIETE.CAPITAL",
'U' "UNITE.ABREV",
TYPE_ACPT.LIBELLE||('||TO_CHAR(TYPE_ACPT.POURC)||' %)' "ACOMPTE"
FROM ARTICLE, BL, BL_LG, CLI_AD_LIV, C_CMD, C_CMD_LG, SOCIETE, C_CMD_LG_ACPT_LG, TYPE_ACPT
WHERE
BL_LG.CD_C_CMD = C_CMD.CD_C_CMD AND
BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE AND
BL_LG.CD_BL = BL.CD_BL AND
BL.CD_CLIENT = CLI_AD_LIV.CD_CLIENT AND
BL.N_ADR_LIV = CLI_AD_LIV.N_ADR_LIV AND
C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+) AND
ARTICLE.CD_TYPE_GESTION IN (0,1,4,5) AND
BL.CD_SOCIETE = SOCIETE.CD_SOCIETE AND
BL_LG.CD_C_CMD_LG_ACPT = C_CMD_LG_ACPT_LG.CD_C_CMD_LG_ACPT (+) AND
BL_LG.N_LIGNE_ACPT = C_CMD_LG_ACPT_LG.N_LIGNE (+) AND
C_CMD_LG_ACPT_LG.CD_TYPE_ACPT = TYPE_ACPT.CD_TYPE_ACPT (+)
UNION ALL
SELECT ARTICLE.CD_ARTICLE "ARTICLE.CD_ARTICLE",
ARTICLE.CD_ARTI_FAMILLE "ARTICLE.CD_ARTI_FAMILLE",
ARTICLE.CD_ARTI_SS_FAMILLE "ARTICLE.CD_ARTI_SS_FAMILLE",
ARTICLE.CD_MONNAIE "ARTICLE.CD_MONNAIE",
ARTICLE.CD_CLIENT "ARTICLE.CD_CLIENT",
ARTICLE.CD_NOMENCLATURE "ARTICLE.CD_NOMENCLATURE",
ARTICLE.CD_GAMME "ARTICLE.CD_GAMME",
ARTICLE.CD_EMP_CRE "ARTICLE.CD_EMP_CRE",
ARTICLE.CD_EMP_MOD "ARTICLE.CD_EMP_MOD",
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ARTICLE.LIBELLE "ARTICLE.LIBELLE",
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ARTICLE.REF_EPUREE "ARTICLE.REF_EPUREE",
ARTICLE.REF_CLI "ARTICLE.REF_CLI",
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ARTICLE.ARCHIVE "ARTICLE.ARCHIVE",
ARTICLE.ARTI_DEVIS "ARTICLE.ARTI_DEVIS",
ARTICLE.PRES_COMP "ARTICLE.PRES_COMP",
ARTICLE.PRES_MATI "ARTICLE.PRES_MATI",
ARTICLE.VALIDEE "ARTICLE.VALIDEE",
ARTICLE.PRODUIT "ARTICLE.PRODUIT",
ARTICLE.PROC_PREM "ARTICLE.PROC_PREM",
ARTICLE.RECALC_TPS "ARTICLE.RECALC_TPS",
ARTICLE.INACTIF "ARTICLE.INACTIF",
ARTICLE.N_INDIV "ARTICLE.N_INDIV",
ARTICLE.CUMUL_TPS "ARTICLE.CUMUL_TPS",
ARTICLE.DATE_CREAT "ARTICLE.DATE_CREAT",
ARTICLE.DATE_MODIF "ARTICLE.DATE_MODIF",
ARTICLE.LOT_ECO "ARTICLE.LOT_ECO",
ARTICLE.QTE_ECO "ARTICLE.QTE_ECO",
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ARTICLE.N_ANA "ARTICLE.N_ANA",
ARTICLE.VOL_UNIT "ARTICLE.VOL_UNIT",
ARTICLE.PDS_UNIT "ARTICLE.PDS_UNIT",
ARTICLE.NB_ARTCOLI "ARTICLE.NB_ARTCOLI",
ARTICLE.PDS_COLIS "ARTICLE.PDS_COLIS",
ARTICLE.REPARATION "ARTICLE.REPARATION",
ARTICLE.PHOTO "ARTICLE.PHOTO",
ARTICLE.FICHIER "ARTICLE.FICHIER",
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BL.CD_BL "BL.CD_BL",
BL.CD_CLIENT "BL.CD_CLIENT",
BL.N_ADR_LIV "BL.N_ADR_LIV",
BL.CD_SOCIETE "BL.CD_SOCIETE",
BL.CD_EMP_CRE "BL.CD_EMP_CRE",
BL.CD_EMP_MOD "BL.CD_EMP_MOD",
BL.CD_EMP_SIGNE "BL.CD_EMP_SIGNE",
BL.CD_EMP_JAA "BL.CD_EMP_JAA",
BL.ID_BL "BL.ID_BL",
NVL(BL.DATE_EXP, BL.DATE_LIV) "BL.DATE_EXP",
NVL(BL.TRANSIT, 0) "BL.TRANSIT",
BL.DATE_LIV "BL.DATE_LIV",
TO_CHAR(BL.DATE_LIV, 'DD') "JOUR_LIV",
TO_CHAR(BL.DATE_LIV, 'MM') "MOIS_LIV",
TO_CHAR(BL.DATE_LIV, 'YYYY') "ANNEE_LIV",
BL.STATUT "BL.STATUT",
BL.BL_SS_FACT "BL.BL_SS_FACT",
BL.TEXTE_COM "BL.TEXTE_COM",
BL.TEXTE_JAA "BL.TEXTE_JAA",
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BL.DATE_MODIF "BL.DATE_MODIF",
BL.INACTIF "BL.INACTIF",
BL.STATUT_JAA_FAB "BL.STATUT_JAA_FAB",
BL.STATUT_JAA_REP "BL.STATUT_JAA_REP",
BL_LG.CD_BL "BL_LG.CD_BL",
BL_LG.NUM_LIGNE "BL_LG.NUM_LIGNE",
BL_LG.CD_C_CMD "BL_LG.CD_C_CMD",
BL_LG.N_LIGNE "BL_LG.N_LIGNE",
BL_LG.CD_C_CMD_LG_ACPT "BL_LG.CD_C_CMD_LG_ACPT",
BL_LG.N_LIGNE_ACPT "BL_LG.N_LIGNE_ACPT",
BL_LG.CD_COND_TRANS "BL_LG.CD_COND_TRANS",
BL_LG.CD_EMP_CRE "BL_LG.CD_EMP_CRE",
BL_LG.CD_EMP_MOD "BL_LG.CD_EMP_MOD",
BL_LG.FORMAT.QTE_LIVREE "BL_LG.QTE_LIVREE",
BL_LG.FORMAT.QTE_FACT "BL_LG.QTE_FACT",
BL_LG.FORMAT.ATT_FACT "BL_LG.ATT_FACT",
BL_LG.FORMAT.QTE_FACTATT "BL_LG.QTE_FACATT",
BL_LG.TEXTE_COM "BL_LG.TEXTE_COM",
BL_LG.DATE_CREAT "BL_LG.DATE_CREAT",
BL_LG.DATE_MODIF "BL_LG.DATE_MODIF",
BL_LG.N_JAA "BL_LG.N_JAA",
CLI_AD_LIV.CD_CLIENT "CLI_AD_LIV.CD_CLIENT",
CLI_AD_LIV.N_ADR_LIV "CLI_AD_LIV.N_ADR_LIV",
CLI_AD_LIV.CD_COND_TRANS "CLI_AD_LIV.CD_COND_TRANS",
CLI_AD_LIV.CD_EMP_CRE "CLI_AD_LIV.CD_EMP_CRE",
CLI_AD_LIV.CD_EMP_MOD "CLI_AD_LIV.CD_EMP_MOD",
CLI_AD_LIV.NOM "CLI_AD_LIV.NOM",
CLI_AD_LIV.CPLT_NOM "CLI_AD_LIV.CPLT_NOM",
CLI_AD_LIV.ADR1 "CLI_AD_LIV.ADR1",
CLI_AD_LIV.ADR2 "CLI_AD_LIV.ADR2",
CLI_AD_LIV.BP "CLI_AD_LIV.BP",
CLI_AD_LIV.CP "CLI_AD_LIV.CP",
CLI_AD_LIV.VILLE "CLI_AD_LIV.VILLE",
CLI_AD_LIV.PAYS "CLI_AD_LIV.PAYS",
CLI_AD_LIV.N_TEL "CLI_AD_LIV.N_TEL",
CLI_AD_LIV.N_FAX "CLI_AD_LIV.N_FAX",
CLI_AD_LIV.N EDI "CLI_AD_LIV.N EDI",
CLI_AD_LIV.DATE_CREAT "CLI_AD_LIV.DATE_CREAT",
CLI_AD_LIV.DATE_MODIF "CLI_AD_LIV.DATE_MODIF",
CLI_AD_LIV.E_MAIL "CLI_AD_LIV.E_MAIL",
CLI_AD_LIV.SITE_WEB "CLI_AD_LIV.SITE_WEB",
C_CMD.CD_C_CMD "C_CMD.CD_C_CMD",
C_CMD.CD_MONNAIE "C_CMD.CD_MONNAIE",

C_CMD.CD_COND_REG "C_CMD.CD_COND_REG",
C_CMD.CD_TYPE_TVA "C_CMD.CD_TYPE_TVA",
C_CMD.CD_CLIENT "C_CMD.CD_CLIENT",
C_CMD.CD_QUALITE "C_CMD.CD_QUALITE",
C_CMD.N_ADR_FAC "C_CMD.N_ADR_FAC",
C_CMD.N_ADR_LIV "C_CMD.N_ADR_LIV",
C_CMD.N_CONTACT "C_CMD.N_CONTACT",
C_CMD.CD_SOCIETE "C_CMD.CD_SOCIETE",
C_CMD.CD_EMP_VALID "C_CMD.CD_EMP_VALID",
C_CMD.CD_EMP_CRE "C_CMD.CD_EMP_CRE",
C_CMD.CD_EMP_MOD "C_CMD.CD_EMP_MOD",
C_CMD.ID_C_CMD "C_CMD.ID_C_CMD",
C_CMD.ID_ANNEE "C_CMD.ID_ANNEE",
C_CMD.N_CMD_CLI "C_CMD.N_CMD_CLI",
C_CMD.DATE_CMD "C_CMD.DATE_CMD",
C_CMD.TVA "C_CMD.TVA",
C_CMD.CD_REVUE "C_CMD.CD_REVUE",
C_CMD.STATUT "C_CMD.STATUT",
C_CMD.FRAIS_TRANS "C_CMD.FRAIS_TRANS",
C_CMD.MONTANT "C_CMD.MONTANT",
C_CMD.VALIDEE "C_CMD.VALIDEE",
C_CMD.DATE_CREAT "C_CMD.DATE_CREAT",
C_CMD.DATE_MODIF "C_CMD.DATE_MODIF",
C_CMD.LIBREAUN "C_CMD.LIBREAUN",
C_CMD.INACTIF "C_CMD.INACTIF",
C_CMD_LG.CD_C_CMD "C_CMD_LG.CD_C_CMD",
C_CMD_LG.N_LIGNE "C_CMD_LG.N_LIGNE",
C_CMD_LG.CD_C_CMD_LG_TYPE "C_CMD_LG.CD_C_CMD_LG_TYPE",
C_CMD_LG.CD_CLIENT "C_CMD_LG.CD_CLIENT",
C_CMD_LG.CD_ARTICLE "C_CMD_LG.CD_ARTICLE",
C_CMD_LG.CD_COND_TRANS "C_CMD_LG.CD_COND_TRANS",
C_CMD_LG.CD_COND_PAIE "C_CMD_LG.CD_COND_PAIE",
C_CMD_LG.CD_EMP_CRE "C_CMD_LG.CD_EMP_CRE",
C_CMD_LG.CD_EMP_MOD "C_CMD_LG.CD_EMP_MOD",
C_CMD_LG.CD_EMP_SUIVI "C_CMD_LG.CD_EMP_SUIVI",
C_CMD_LG.N_PO_CLI "C_CMD_LG.N_PO_CLI",
C_CMD_LG.N_DOSSIER "C_CMD_LG.N_DOSSIER",
C_CMD_LG.REF_ARTI "C_CMD_LG.REF_ARTI",
C_CMD_LG.DES_ARTI "C_CMD_LG.DES_ARTI",
C_CMD_LG.DATE_LIV "C_CMD_LG.DATE_LIV",
C_CMD_LG.DATE_LIVPL "C_CMD_LG.DATE_LIVPL",
C_CMD_LG.SPEC_ARTI "C_CMD_LG.SPEC_ARTI",
C_CMD_LG.APPRO_CLI "C_CMD_LG.APPRO_CLI",
C_CMD_LG.QTE_CMDEE "C_CMD_LG.QTE_CMDEE",
C_CMD_LG.PRIX_UNIT "C_CMD_LG.PRIX_UNIT",
C_CMD_LG_FORMAT.QTE "C_CMD_LG.QTE_LANCEE",
C_CMD_LG_FORMAT.QTE_RES_STK "C_CMD_LG.QTE_RESER",
C_CMD_LG_FORMAT.QTE_LIVREE "C_CMD_LG.QTE_LIVREE",
C_CMD_LG_FORMAT.QTE_LIVATT "C_CMD_LG.QTE_LIVATT",
C_CMD_LG_FORMAT.QTE_SSFACT "C_CMD_LG.QTE_SSFACT",
C_CMD_LG_FORMAT.QTE_FACT "C_CMD_LG.QTE_FACT",
C_CMD_LG.SOLDEE "C_CMD_LG.SOLDEE",
C_CMD_LG.TEXTE_COM "C_CMD_LG.TEXTE_COM",
C_CMD_LG.DATE_CREAT "C_CMD_LG.DATE_CREAT",
C_CMD_LG.DATE_MODIF "C_CMD_LG.DATE_MODIF",
C_CMD_LG.MANUELLE "C_CMD_LG.MANUELLE",
C_CMD_LG.JAA_FORM_ONE "C_CMD_LG.JAA_FORM_ONE",
C_CMD_LG.LIBREAUN "C_CMD_LG.LIBREAUN",
SOCIETE.CD_SOCIETE "SOCIETE.CD_SOCIETE",
SOCIETE.CD_CAL_C "SOCIETE.CD_CAL_C",
SOCIETE.CD_CAL_A "SOCIETE.CD_CAL_A",
SOCIETE.CD_EMP_CRE "SOCIETE.CD_EMP_CRE",
SOCIETE.CD_EMP_MOD "SOCIETE.CD_EMP_MOD",

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SOCIETE.NOM "SOCIETE.NOM",
SOCIETE.CPLT_NOM "SOCIETE.CPLT_NOM",
SOCIETE.ADR1 "SOCIETE.ADR1",
SOCIETE.ADR2 "SOCIETE.ADR2",
SOCIETE.BP "SOCIETE.BP",
SOCIETE.CP "SOCIETE.CP",
SOCIETE.VILLE "SOCIETE.VILLE",
SOCIETE.PAYS "SOCIETE.PAYS",
SOCIETE.N_TEL "SOCIETE.N_TEL",
SOCIETE.N_FAX "SOCIETE.N_FAX",
SOCIETE.N_EDI "SOCIETE.N_EDI",
SOCIETE.E_MAIL "SOCIETE.E_MAIL",
SOCIETE.SITE_WEB "SOCIETE.SITE_WEB",
SOCIETE.DATE_CREAT "SOCIETE.DATE_CREAT",
SOCIETE.DATE_MODIF "SOCIETE.DATE_MODIF",
SOCIETE.INACTIF "SOCIETE.INACTIF",
SOCIETE.ABREV "SOCIETE.ABREV",
SOCIETE.EFFECTIF "SOCIETE.EFFECTIF",
SOCIETE.TVA_CEE "SOCIETE.TVA_CEE",
SOCIETE.BD_NET "SOCIETE.BD_NET",
SOCIETE.CODE_SOC "SOCIETE.CODE_SOC",
SOCIETE.LOGO "SOCIETE.LOGO",
SOCIETE.FRM_JURIDI "SOCIETE.FRM_JURIDI",
SOCIETE.REG_COMMER "SOCIETE.REG_COMMER",
SOCIETE.CODE_APE "SOCIETE.CODE_APE",
SOCIETE.MODE_TVA "SOCIETE.MODE_TVA",
SOCIETE.JAA_NAV "SOCIETE.JAA_NAV",
SOCIETE.JAA_REP "SOCIETE.JAA_REP",
SOCIETE.SIRET "SOCIETE.SIRET",
SOCIETE.SIREN "SOCIETE.SIREN",
SOCIETE.CAPITAL "SOCIETE.CAPITAL",
UNITE.ABREV,
TYPE_ACPT.LIBELLE||('||TO_CHAR(TYPE_ACPT.POURC)||' %)' "ACOMPTE"
FROM ARTICLE, BL, BL_LG, CLI_AD_LIV, C_CMD, C_CMD_LG, SOCIETE, BL_LG_FORMAT, C_CMD_LG_FORMAT,
UNITE, C_CMD_LG_ACPT_LG, TYPE_ACPT
WHERE
BL_LG.CD_C_CMD = C_CMD.CD_C_CMD AND
BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE AND
C_CMD_LG_FORMAT.CD_C_CMD (+) = C_CMD_LG.CD_C_CMD AND
C_CMD_LG_FORMAT.N_LIGNE (+) = C_CMD_LG.N_LIGNE AND
BL_LG.CD_BL = BL.CD_BL AND
BL_LG.CD_BL = BL_LG_FORMAT.CD_BL (+) AND
BL_LG.NUM_LIGNE = BL_LG_FORMAT.NUM_LIGNE (+) AND
BL_LG_FORMAT.CD_UNITE = UNITE.CD_UNITE (+) AND
BL.CD_CLIENT = CLI_AD_LIV.CD_CLIENT AND
BL.N_ADR_LIV = CLI_AD_LIV.N_ADR_LIV AND
C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+) AND
ARTICLE.CD_TYPE_GESTION = 2 AND
BL.CD_SOCIETE = SOCIETE.CD_SOCIETE AND
BL_LG.CD_C_CMD_LG_ACPT = C_CMD_LG_ACPT_LG.CD_C_CMD_LG_ACPT (+) AND
BL_LG.N_LIGNE_ACPT = C_CMD_LG_ACPT_LG.N_LIGNE (+) AND
C_CMD_LG_ACPT_LG.CD_TYPE_ACPT = TYPE_ACPT.CD_TYPE_ACPT (+)

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2.2.2.8 Vue VUE_LIV_MON

2.2.2.8.1 Requête SQL de la vue VUE_LIV_MON

```

SELECT BL.CD_BL "BL.CD_BL",
BL.CD_CLIENT "BL.CD_CLIENT",
BL.N_ADR_LIV "BL.N_ADR_LIV",
BL.CD_SOCIETE "BL.CD_SOCIETE",
BL.CD_EMP_CRE "BL.CD_EMP_CRE",

```

BL.CD_EMP_MOD "BL.CD_EMP_MOD",
BL.CD_EMP_SIGNE "BL.CD_EMP_SIGNE",
BL.CD_EMP_JAA "BL.CD_EMP_JAA",
BL.ID_BL "BL.ID_BL",
NVL(BL.DATE_EXP, BL.DATE_LIV) "BL.DATE_EXP",
NVL(BL.TRANSIT, 0) "BL.TRANSIT",
BL.DATE_LIV "BL.DATE_LIV",
TO_CHAR(BL.DATE_LIV, 'DD') "JOUR_LIV",
TO_CHAR(BL.DATE_LIV, 'MM') "MOIS_LIV",
TO_CHAR(BL.DATE_LIV, 'YYYY') "ANNEE_LIV",
BL.STATUT "BL.STATUT",
BL.BL_SS_FACT "BL.BL_SS_FACT",
BL.TEXTE_COM "BL.TEXTE_COM",
BL.TEXTE_JAA "BL.TEXTE_JAA",
BL.DATE_CREAT "BL.DATE_CREAT",
BL.DATE_MODIF "BL.DATE_MODIF",
BL.INACTIF "BL.INACTIF",
BL.STATUT_JAA_FAB "BL.STATUT_JAA_FAB",
BL.STATUT_JAA_REP "BL.STATUT_JAA_REP",
BL_LG.CD_BL "BL_LG.CD_BL",
BL_LG.NUM_LIGNE "BL_LG.NUM_LIGNE",
BL_LG.CD_C_CMD "BL_LG.CD_C_CMD",
BL_LG.N_LIGNE "BL_LG.N_LIGNE",
BL_LG.CD_COND_TRANS "BL_LG.CD_COND_TRANS",
BL_LG.CD_EMP_CRE "BL_LG.CD_EMP_CRE",
BL_LG.CD_EMP_MOD "BL_LG.CD_EMP_MOD",
BL_LG.QTE_LIVREE "BL_LG.QTE_LIVREE",
BL_LG.QTE_FACT "BL_LG.QTE_FACT",
BL_LG.ATT_FACT "BL_LG.ATT_FACT",
BL_LG.QTE_FACATT "BL_LG.QTE_FACATT",
BL_LG.TEXTE_COM "BL_LG.TEXTE_COM",
BL_LG.DATE_CREAT "BL_LG.DATE_CREAT",
BL_LG.DATE_MODIF "BL_LG.DATE_MODIF",
BL_LG.N_JAA "BL_LG.N_JAA",
CLIENT.CD_CLIENT "CLIENT.CD_CLIENT",
CLIENT.CD_RUBRIQUE "CLIENT.CD_RUBRIQUE",
CLIENT.CD_QUALITE "CLIENT.CD_QUALITE",
CLIENT.CD_CLI_FAMILLE "CLIENT.CD_CLI_FAMILLE",
CLIENT.CD_CLI_SS_FAMILLE "CLIENT.CD_CLI_SS_FAMILLE",
CLIENT.CD_COMMERCIAL "CLIENT.CD_COMMERCIAL",
CLIENT.CD_MON_CA "CLIENT.CD_MON_CA",
CLIENT.CD_MON_CS "CLIENT.CD_MON_CS",
CLIENT.CD_MON_EC "CLIENT.CD_MON_EC",
CLIENT.CD_MON_EC_FACT_NON_REG "CLIENT.CD_MON_EC_FACT_NON_REG",
CLIENT.CD_MON_EC_NON_REG "CLIENT.CD_MON_EC_NON_REG",
CLIENT.CD_EMP_CRE "CLIENT.CD_EMP_CRE",
CLIENT.CD_EMP_MOD "CLIENT.CD_EMP_MOD",
CLIENT.ID_CLIENT "CLIENT.ID_CLIENT",
CLIENT.NOM "CLIENT.NOM",
CLIENT.CPLT_NOM "CLIENT.CPLT_NOM",
CLIENT.ADR1 "CLIENT.ADR1",
CLIENT.ADR2 "CLIENT.ADR2",
CLIENT.BP "CLIENT.BP",
CLIENT.CP "CLIENT.CP",
CLIENT.VILLE "CLIENT.VILLE",
CLIENT.PAYS "CLIENT.PAYS",
CLIENT.N_TEL "CLIENT.N_TEL",
CLIENT.N_FAX "CLIENT.N_FAX",
CLIENT.N_RANG "CLIENT.N_RANG",
CLIENT.PROSPECT "CLIENT.PROSPECT",
CLIENT.CREDIT_ASS "CLIENT.CREDIT_ASS",
CLIENT.CREDIT_SOC "CLIENT.CREDIT_SOC",
CLIENT.ENCOURS_NON_LIV "CLIENT.ENCOURS_NON_LIV",

CLIENT.ENCOURS_FACT_NON_REGLE "CLIENT.ENCOURS_FACT_NON_REGLE",
CLIENT.ENCOURS_NON_REGLE "CLIENT.ENCOURS_NON_REGLE",
CLIENT.N_PRIORITE "CLIENT.N_PRIORITE",
CLIENT.ID_EDI "CLIENT.ID_EDI",
CLIENT.ID_EDI_GL "CLIENT.ID_EDI_GL",
CLIENT.TEXTE_COM "CLIENT.TEXTE_COM",
CLIENT.INACTIF "CLIENT.INACTIF",
CLIENT.DATE_CREAT "CLIENT.DATE_CREAT",
CLIENT.DATE_MODIF "CLIENT.DATE_MODIF",
CLIENT.E_MAIL "CLIENT.E_MAIL",
CLIENT.SITE_WEB "CLIENT.SITE_WEB",
CLIENT.N_FOURNEDI "CLIENT.N_FOURNEDI",
CLIENT.ENCOURS_UTIL "CLIENT.ENCOURS_UTIL",
CLIENT.BLOQUANT_ASSURE "CLIENT.BLOQUANT_ASSURE",
CLIENT.BLOQUANT_SOCIETE "CLIENT.BLOQUANT_SOCIETE",
CLIENT.C_LAST_ITC "CLIENT.C_LAST_ITC",
CLIENT.C_LAST_AL "CLIENT.C_LAST_AL",
CLIENT.C_LAST_PA "CLIENT.C_LAST_PA",
CLIENT.LF_LAST_ITC "CLIENT.LF_LAST_ITC",
CLIENT.L_LAST_REF_MESS "CLIENT.L_LAST_REF_MESS",
CLIENT.L_LAST_REF_ITC "CLIENT.L_LAST_REF_ITC",
CLIENT.F_LAST_REF_MESS "CLIENT.F_LAST_REF_MESS",
CLIENT.PHOTO "CLIENT.PHOTO",
CLIENT.FICHER "CLIENT.FICHER",
C_CMD.CD_C_CMD "C_CMD.CD_C_CMD",
C_CMD.CD_MONNAIE "C_CMD.CD_MONNAIE",
C_CMD.CD_COND_REG "C_CMD.CD_COND_REG",
C_CMD.CD_TYPE_TVA "C_CMD.CD_TYPE_TVA",
C_CMD.CD_CLIENT "C_CMD.CD_CLIENT",
C_CMD.CD_QUALITE "C_CMD.CD_QUALITE",
C_CMD.N_ADR_FAC "C_CMD.N_ADR_FAC",
C_CMD.N_ADR_LIV "C_CMD.N_ADR_LIV",
C_CMD.N_CONTACT "C_CMD.N_CONTACT",
C_CMD.CD_SOCIETE "C_CMD.CD_SOCIETE",
C_CMD.CD_EMP_VALID "C_CMD.CD_EMP_VALID",
C_CMD.CD_EMP_CRE "C_CMD.CD_EMP_CRE",
C_CMD.CD_EMP_MOD "C_CMD.CD_EMP_MOD",
C_CMD.ID_C_CMD "C_CMD.ID_C_CMD",
C_CMD.ID_ANNEE "C_CMD.ID_ANNEE",
C_CMD.N_CMD_CLI "C_CMD.N_CMD_CLI",
C_CMD.DATE_CMD "C_CMD.DATE_CMD",
C_CMD.TVA "C_CMD.TVA",
C_CMD.CD_REVUE "C_CMD.CD_REVUE",
C_CMD.STATUT "C_CMD.STATUT",
C_CMD.FRAIS_TRANS "C_CMD.FRAIS_TRANS",
C_CMD.MONTANT "C_CMD.MONTANT",
C_CMD.VALIDEE "C_CMD.VALIDEE",
C_CMD.DATE_CREAT "C_CMD.DATE_CREAT",
C_CMD.DATE_MODIF "C_CMD.DATE_MODIF",
C_CMD.LIBREAUN "C_CMD.LIBREAUN",
C_CMD.INACTIF "C_CMD.INACTIF",
C_CMD_LG.CD_C_CMD "C_CMD_LG.CD_C_CMD",
C_CMD_LG.N_LIGNE "C_CMD_LG.N_LIGNE",
C_CMD_LG.CD_C_CMD_LG_TYPE "C_CMD_LG.CD_C_CMD_LG_TYPE",
C_CMD_LG.CD_CLIENT "C_CMD_LG.CD_CLIENT",
C_CMD_LG.CD_ARTICLE "C_CMD_LG.CD_ARTICLE",
C_CMD_LG.CD_COND_TRANS "C_CMD_LG.CD_COND_TRANS",
C_CMD_LG.CD_COND_PAIE "C_CMD_LG.CD_COND_PAIE",
C_CMD_LG.CD_EMP_CRE "C_CMD_LG.CD_EMP_CRE",
C_CMD_LG.CD_EMP_MOD "C_CMD_LG.CD_EMP_MOD",
C_CMD_LG.CD_EMP_SUIVI "C_CMD_LG.CD_EMP_SUIVI",
C_CMD_LG.N_PO_CLI "C_CMD_LG.N_PO_CLI",
C_CMD_LG.N_DOSSIER "C_CMD_LG.N_DOSSIER",

C_CMD_LG.REF_ARTI "C_CMD_LG.REF_ARTI",
C_CMD_LG.DES_ARTI "C_CMD_LG.DES_ARTI",
C_CMD_LG.DATE_LIV "C_CMD_LG.DATE_LIV",
C_CMD_LG.DATE_LIVPL "C_CMD_LG.DATE_LIVPL",
C_CMD_LG.SPEC_ARTI "C_CMD_LG.SPEC_ARTI",
C_CMD_LG.APPRO_CLI "C_CMD_LG.APPRO_CLI",
C_CMD_LG.QTE_CMDEE "C_CMD_LG.QTE_CMDEE",
C_CMD_LG.PRIX_UNIT "C_CMD_LG.PRIX_UNIT",
C_CMD_LG.QTE_LANCEE "C_CMD_LG.QTE_LANCEE",
C_CMD_LG.QTE_RESER "C_CMD_LG.QTE_RESER",
C_CMD_LG.QTE_LIVREE "C_CMD_LG.QTE_LIVREE",
C_CMD_LG.QTE_LIVATT "C_CMD_LG.QTE_LIVATT",
C_CMD_LG.QTE_SSFACT "C_CMD_LG.QTE_SSFACT",
C_CMD_LG.QTE_FACT "C_CMD_LG.QTE_FACT",
C_CMD_LG.SOLDEE "C_CMD_LG.SOLDEE",
C_CMD_LG.TEXTE_COM "C_CMD_LG.TEXTE_COM",
C_CMD_LG.DATE_CREAT "C_CMD_LG.DATE_CREAT",
C_CMD_LG.DATE_MODIF "C_CMD_LG.DATE_MODIF",
C_CMD_LG.MANUELLE "C_CMD_LG.MANUELLE",
C_CMD_LG.JAA_FORM_ONE "C_CMD_LG.JAA_FORM_ONE",
C_CMD_LG.LIBREAUN "C_CMD_LG.LIBREAUN",
FACTURE.CD_FACTURE "FACTURE.CD_FACTURE",
FACTURE.CD_CLIENT "FACTURE.CD_CLIENT",
FACTURE.N_ADR_FAC "FACTURE.N_ADR_FAC",
FACTURE.CD_COND_REG "FACTURE.CD_COND_REG",
FACTURE.CD_TYPE_TVA "FACTURE.CD_TYPE_TVA",
FACTURE.CD_MONNAIE "FACTURE.CD_MONNAIE",
FACTURE.CD_SOCIETE "FACTURE.CD_SOCIETE",
FACTURE.CD_EMP_CRE "FACTURE.CD_EMP_CRE",
FACTURE.CD_EMP_MOD "FACTURE.CD_EMP_MOD",
FACTURE.ID_FACTURE "FACTURE.ID_FACTURE",
FACTURE.DATE_FACT "FACTURE.DATE_FACT",
FACTURE.TVA "FACTURE.TVA",
FACTURE.MONTANT "FACTURE.MONTANT",
FACTURE.PORT "FACTURE.PORT",
FACTURE.EMBALLAGE "FACTURE.EMBALLAGE",
FACTURE.N_COMPTA "FACTURE.N_COMPTA",
FACTURE.STATUT "FACTURE.STATUT",
FACTURE.TEXTE_COM "FACTURE.TEXTE_COM",
FACTURE.DATE_ECHEA "FACTURE.DATE_ECHEA",
FACTURE.TRANS EDI "FACTURE.TRANS EDI",
FACTURE.TYPE EDI "FACTURE.TYPE EDI",
FACTURE.DATE_CREAT "FACTURE.DATE_CREAT",
FACTURE.DATE_MODIF "FACTURE.DATE_MODIF",
FACTURE.INACTIF "FACTURE.INACTIF",
FACT_LG.CD_FACTURE "FACT_LG.CD_FACTURE",
FACT_LG.LIG_FACTURE "FACT_LG.LIG_FACTURE",
FACT_LG.CD_BL "FACT_LG.CD_BL",
FACT_LG.NUM_LIGNE "FACT_LG.NUM_LIGNE",
FACT_LG.CD_COND_PAIE "FACT_LG.CD_COND_PAIE",
FACT_LG.CD_EMP_CRE "FACT_LG.CD_EMP_CRE",
FACT_LG.CD_EMP_MOD "FACT_LG.CD_EMP_MOD",
FACT_LG.QTE_FACT "FACT_LG.QTE_FACT",
FACT_LG.PU_FACT "FACT_LG.PU_FACT",
FACT_LG.TEXTE_COM "FACT_LG.TEXTE_COM",
FACT_LG.DATE_CREAT "FACT_LG.DATE_CREAT",
FACT_LG.DATE_MODIF "FACT_LG.DATE_MODIF",
(SELECT COUNT(*) FROM FACT_LG.FLG WHERE BL_LG.CD_BL = FLG.CD_BL AND BL_LG.NUM_LIGNE =
FLG.NUM_LIGNE) AS NB_FAT_LG,
AVOIR_LG.MONTANT_AVOIR_LG "AVOIR_LG.MONTANT_AVOIR_LG",
MONNAIE.CD_MONNAIE "MONNAIE.CD_MONNAIE",
MONNAIE.CD_MON_IMP "MONNAIE.CD_MON_IMP",
MONNAIE.CD_EMP_CRE "MONNAIE.CD_EMP_CRE",

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MONNAIE.CD_EMP_MOD "MONNAIE.CD_EMP_MOD",
MONNAIE.DATE_CREAT "MONNAIE.DATE_CREAT",
MONNAIE.DATE_MODIF "MONNAIE.DATE_MODIF",
MONNAIE.INACTIF "MONNAIE.INACTIF",
MONNAIE.LIBELLE "MONNAIE.LIBELLE",
MONNAIE.ABREV "MONNAIE.ABREV",
MONNAIE.COEFF_MULT "MONNAIE.COEFF_MULT",
MONNAIE.VAL_DEF "MONNAIE.VAL_DEF",
MONNAIE.N_COMPTA "MONNAIE.N_COMPTA",
MONNAIE.ABREV_EDI "MONNAIE.ABREV_EDI",
H_MONNAIE.TAUX "H_MONNAIE.TAUX",
MONNAIE_FACTURE.CD_MONNAIE "MONNAIE_FACTURE.CD_MONNAIE",
MONNAIE_FACTURE.CD_MON_IMP "MONNAIE_FACTURE.CD_MON_IMP",
MONNAIE_FACTURE.CD_EMP_CRE "MONNAIE_FACTURE.CD_EMP_CRE",
MONNAIE_FACTURE.CD_EMP_MOD "MONNAIE_FACTURE.CD_EMP_MOD",
MONNAIE_FACTURE.DATE_CREAT "MONNAIE_FACTURE.DATE_CREAT",
MONNAIE_FACTURE.DATE_MODIF "MONNAIE_FACTURE.DATE_MODIF",
MONNAIE_FACTURE.INACTIF "MONNAIE_FACTURE.INACTIF",
MONNAIE_FACTURE.LIBELLE "MONNAIE_FACTURE.LIBELLE",
MONNAIE_FACTURE.ABREV "MONNAIE_FACTURE.ABREV",
MONNAIE_FACTURE.COEFF_MULT "MONNAIE_FACTURE.COEFF_MULT",
MONNAIE_FACTURE.VAL_DEF "MONNAIE_FACTURE.VAL_DEF",
MONNAIE_FACTURE.N_COMPTA "MONNAIE_FACTURE.N_COMPTA",
MONNAIE_FACTURE.ABREV_EDI "MONNAIE_FACTURE.ABREV_EDI",
H_MONNAIE_FACTURE.TAUX "H_MONNAIE_FACTURE.TAUX",
(SELECT ABREV FROM MONNAIE WHERE VAL_DEF=1) AS MONNAIE_DEFAULT,
1 "UNITE.CD_UNITE",
1 "UNITE.COEFF_MULT",
'U' "UNITE.ABREV"
FROM BL, BL_LG, CLIENT, C_CMD, C_CMD_LG, FACTURE, FACT_LG, AVOIR_LG, MONNAIE, H_MONNAIE,
ARTICLE, MONNAIE_FACTURE, H_MONNAIE_FACTURE
WHERE
BL_LG.CD_BL = BL.CD_BL AND
BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE AND
C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+) AND
ARTICLE.CD_TYPE_GESTION = 1 AND
BL_LG.CD_C_CMD = C_CMD.CD_C_CMD AND
BL_LG.CD_BL = FACT_LG.CD_BL (+) AND
BL_LG.NUM_LIGNE = FACT_LG.NUM_LIGNE (+) AND
BL.CD_CLIENT = CLIENT.CD_CLIENT AND
FACT_LG.CD_FACTURE = FACTURE.CD_FACTURE (+) AND
AVOIR_LG.CD_FACTURE (+) = FACT_LG.CD_FACTURE AND
AVOIR_LG.LIG_FACTURE (+) = FACT_LG.LIG_FACTURE AND
C_CMD.CD_MONNAIE = MONNAIE.CD_MONNAIE AND
C_CMD.CD_H_MONNAIE = H_MONNAIE.CD_H_MONNAIE AND
FACTURE.CD_MONNAIE = MONNAIE_FACTURE.CD_MONNAIE (+) AND
FACTURE.CD_H_MONNAIE = H_MONNAIE_FACTURE.CD_H_MONNAIE (+) AND
BL.BL_SS_FACT = 0 AND
(BL.STATUT <> 'A' AND
BL.STATUT <> 'EA')
UNION ALL
SELECT BL.CD_BL "BL.CD_BL",
BL.CD_CLIENT "BL.CD_CLIENT",
BL.N_ADR_LIV "BL.N_ADR_LIV",
BL.CD_SOCIETE "BL.CD_SOCIETE",
BL.CD_EMP_CRE "BL.CD_EMP_CRE",
BL.CD_EMP_MOD "BL.CD_EMP_MOD",
BL.CD_EMP_SIGNE "BL.CD_EMP_SIGNE",
BL.CD_EMP_JAA "BL.CD_EMP_JAA",
BL.ID_BL "BL.ID_BL",
NVL(BL.DATE_EXP, BL.DATE_LIV) "BL.DATE_EXP",
NVL(BL.TRANSIT, 0) "BL.TRANSIT",

```

BL.DATE_LIV "BL.DATE_LIV",
TO_CHAR(BL.DATE_LIV, 'DD') "JOUR_LIV",
TO_CHAR(BL.DATE_LIV, 'MM') "MOIS_LIV",
TO_CHAR(BL.DATE_LIV, 'YYYY') "ANNEE_LIV",
BL.STATUT "BL.STATUT",
BL.BL_SS_FACT "BL.BL_SS_FACT",
BL.TEXTE_COM "BL.TEXTE_COM",
BL.TEXTE_JAA "BL.TEXTE_JAA",
BL.DATE_CREAT "BL.DATE_CREAT",
BL.DATE_MODIF "BL.DATE_MODIF",
BL.INACTIF "BL.INACTIF",
BL.STATUT_JAA_FAB "BL.STATUT_JAA_FAB",
BL.STATUT_JAA_REP "BL.STATUT_JAA_REP",
BL_LG.CD_BL "BL_LG.CD_BL",
BL_LG.NUM_LIGNE "BL_LG.NUM_LIGNE",
BL_LG.CD_C_CMD "BL_LG.CD_C_CMD",
BL_LG.N_LIGNE "BL_LG.N_LIGNE",
BL_LG.CD_COND_TRANS "BL_LG.CD_COND_TRANS",
BL_LG.CD_EMP_CRE "BL_LG.CD_EMP_CRE",
BL_LG.CD_EMP_MOD "BL_LG.CD_EMP_MOD",
BL_LG.FORMAT.QTE_LIVREE "BL_LG.QTE_LIVREE",
BL_LG.FORMAT.QTE_FACT "BL_LG.QTE_FACT",
BL_LG.FORMAT.ATT_FACT "BL_LG.ATT_FACT",
BL_LG.FORMAT.QTE_FACTATT "BL_LG.QTE_FACATT",
BL_LG.TEXTE_COM "BL_LG.TEXTE_COM",
BL_LG.DATE_CREAT "BL_LG.DATE_CREAT",
BL_LG.DATE_MODIF "BL_LG.DATE_MODIF",
BL_LG.N_JAA "BL_LG.N_JAA",
CLIENT.CD_CLIENT "CLIENT.CD_CLIENT",
CLIENT.CD_RUBRIQUE "CLIENT.CD_RUBRIQUE",
CLIENT.CD_QUALITE "CLIENT.CD_QUALITE",
CLIENT.CD_CLI_FAMILLE "CLIENT.CD_CLI_FAMILLE",
CLIENT.CD_CLI_SS_FAMILLE "CLIENT.CD_CLI_SS_FAMILLE",
CLIENT.CD_COMMERCIAL "CLIENT.CD_COMMERCIAL",
CLIENT.CD_MON_CA "CLIENT.CD_MON_CA",
CLIENT.CD_MON_CS "CLIENT.CD_MON_CS",
CLIENT.CD_MON_EC "CLIENT.CD_MON_EC",
CLIENT.CD_MON_EC_FACT_NON_REG "CLIENT.CD_MON_EC_FACT_NON_REG",
CLIENT.CD_MON_EC_NON_REG "CLIENT.CD_MON_EC_NON_REG",
CLIENT.CD_EMP_CRE "CLIENT.CD_EMP_CRE",
CLIENT.CD_EMP_MOD "CLIENT.CD_EMP_MOD",
CLIENT.ID_CLIENT "CLIENT.ID_CLIENT",
CLIENT.NOM "CLIENT.NOM",
CLIENT.CPLT_NOM "CLIENT.CPLT_NOM",
CLIENT.ADR1 "CLIENT.ADR1",
CLIENT.ADR2 "CLIENT.ADR2",
CLIENT.BP "CLIENT.BP",
CLIENT.CP "CLIENT.CP",
CLIENT.VILLE "CLIENT.VILLE",
CLIENT.PAYS "CLIENT.PAYS",
CLIENT.N_TEL "CLIENT.N_TEL",
CLIENT.N_FAX "CLIENT.N_FAX",
CLIENT.N_RANG "CLIENT.N_RANG",
CLIENT.PROSPECT "CLIENT.PROSPECT",
CLIENT.CREDIT_ASS "CLIENT.CREDIT_ASS",
CLIENT.CREDIT_SOC "CLIENT.CREDIT_SOC",
CLIENT.ENCOURS_NON_LIV "CLIENT.ENCOURS_NON_LIV",
CLIENT.ENCOURS_FACT_NON_REGLE "CLIENT.ENCOURS_FACT_NON_REGLE",
CLIENT.ENCOURS_NON_REGLE "CLIENT.ENCOURS_NON_REGLE",
CLIENT.N_PRIORITE "CLIENT.N_PRIORITE",
CLIENT.ID_EDI "CLIENT.ID_EDI",
CLIENT.ID_EDI_GL "CLIENT.ID_EDI_GL",
CLIENT.TEXTE_COM "CLIENT.TEXTE_COM",

CLIENT.INACTIF "CLIENT.INACTIF",
CLIENT.DATE_CREAT "CLIENT.DATE_CREAT",
CLIENT.DATE_MODIF "CLIENT.DATE_MODIF",
CLIENT.E_MAIL "CLIENT.E_MAIL",
CLIENT.SITE_WEB "CLIENT.SITE_WEB",
CLIENT.N_FOURNEDI "CLIENT.N_FOURNEDI",
CLIENT.ENCOURS_UTIL "CLIENT.ENCOURS_UTIL",
CLIENT.BLOQUANT_ASSURE "CLIENT.BLOQUANT_ASSURE",
CLIENT.BLOQUANT_SOCIETE "CLIENT.BLOQUANT_SOCIETE",
CLIENT.C_LAST_ITC "CLIENT.C_LAST_ITC",
CLIENT.C_LAST_AL "CLIENT.C_LAST_AL",
CLIENT.C_LAST_PA "CLIENT.C_LAST_PA",
CLIENT.LF_LAST_ITC "CLIENT.LF_LAST_ITC",
CLIENT.L_LAST_REF_MESS "CLIENT.L_LAST_REF_MESS",
CLIENT.L_LAST_REF_ITC "CLIENT.L_LAST_REF_ITC",
CLIENT.F_LAST_REF_MESS "CLIENT.F_LAST_REF_MESS",
CLIENT.PHOTO "CLIENT.PHOTO",
CLIENT.FICHER "CLIENT.FICHER",
C_CMD.CD_C_CMD "C_CMD.CD_C_CMD",
C_CMD.CD_MONNAIE "C_CMD.CD_MONNAIE",
C_CMD.CD_COND_REG "C_CMD.CD_COND_REG",
C_CMD.CD_TYPE_TVA "C_CMD.CD_TYPE_TVA",
C_CMD.CD_CLIENT "C_CMD.CD_CLIENT",
C_CMD.CD_QUALITE "C_CMD.CD_QUALITE",
C_CMD.N_ADR_FAC "C_CMD.N_ADR_FAC",
C_CMD.N_ADR_LIV "C_CMD.N_ADR_LIV",
C_CMD.N_CONTACT "C_CMD.N_CONTACT",
C_CMD.CD_SOCIETE "C_CMD.CD_SOCIETE",
C_CMD.CD_EMP_VALID "C_CMD.CD_EMP_VALID",
C_CMD.CD_EMP_CRE "C_CMD.CD_EMP_CRE",
C_CMD.CD_EMP_MOD "C_CMD.CD_EMP_MOD",
C_CMD.ID_C_CMD "C_CMD.ID_C_CMD",
C_CMD.ID_ANNEE "C_CMD.ID_ANNEE",
C_CMD.N_CMD_CLI "C_CMD.N_CMD_CLI",
C_CMD.DATE_CMD "C_CMD.DATE_CMD",
C_CMD.TVA "C_CMD.TVA",
C_CMD.CD_REVUE "C_CMD.CD_REVUE",
C_CMD.STATUT "C_CMD.STATUT",
C_CMD.FRAIS_TRANS "C_CMD.FRAIS_TRANS",
C_CMD.MONTANT "C_CMD.MONTANT",
C_CMD.VALIDEE "C_CMD.VALIDEE",
C_CMD.DATE_CREAT "C_CMD.DATE_CREAT",
C_CMD.DATE_MODIF "C_CMD.DATE_MODIF",
C_CMD.LIBREAUN "C_CMD.LIBREAUN",
C_CMD.INACTIF "C_CMD.INACTIF",
C_CMD_LG.CD_C_CMD "C_CMD_LG.CD_C_CMD",
C_CMD_LG.N_LIGNE "C_CMD_LG.N_LIGNE",
C_CMD_LG.CD_C_CMD_LG_TYPE "C_CMD_LG.CD_C_CMD_LG_TYPE",
C_CMD_LG.CD_CLIENT "C_CMD_LG.CD_CLIENT",
C_CMD_LG.CD_ARTICLE "C_CMD_LG.CD_ARTICLE",
C_CMD_LG.CD_COND_TRANS "C_CMD_LG.CD_COND_TRANS",
C_CMD_LG.CD_COND_PAIE "C_CMD_LG.CD_COND_PAIE",
C_CMD_LG.CD_EMP_CRE "C_CMD_LG.CD_EMP_CRE",
C_CMD_LG.CD_EMP_MOD "C_CMD_LG.CD_EMP_MOD",
C_CMD_LG.CD_EMP_SUIVI "C_CMD_LG.CD_EMP_SUIVI",
C_CMD_LG.N_PO_CLI "C_CMD_LG.N_PO_CLI",
C_CMD_LG.N_DOSSIER "C_CMD_LG.N_DOSSIER",
C_CMD_LG.REF_ARTI "C_CMD_LG.REF_ARTI",
C_CMD_LG.DES_ARTI "C_CMD_LG.DES_ARTI",
C_CMD_LG.DATE_LIV "C_CMD_LG.DATE_LIV",
C_CMD_LG.DATE_LIVPL "C_CMD_LG.DATE_LIVPL",
C_CMD_LG.SPEC_ARTI "C_CMD_LG.SPEC_ARTI",
C_CMD_LG.APPRO_CLI "C_CMD_LG.APPRO_CLI",

C_CMD_LG_FORMAT.QTE "C_CMD_LG.QTE_CMDEE",
C_CMD_LG_FORMAT.PU_CALC "C_CMD_LG.PRIX_UNIT",
C_CMD_LG_FORMAT.QTE_LANCEE "C_CMD_LG.QTE_LANCEE",
C_CMD_LG_FORMAT.QTE_RES_STK "C_CMD_LG.QTE_RESER",
C_CMD_LG_FORMAT.QTE_LIVREE "C_CMD_LG.QTE_LIVREE",
C_CMD_LG_FORMAT.QTE_LIVATT "C_CMD_LG.QTE_LIVATT",
C_CMD_LG_FORMAT.QTE_SSFACT "C_CMD_LG.QTE_SSFACT",
C_CMD_LG_FORMAT.QTE_FACT "C_CMD_LG.QTE_FACT",
C_CMD_LG.SOLDEE "C_CMD_LG.SOLDEE",
C_CMD_LG.TEXTE_COM "C_CMD_LG.TEXTE_COM",
C_CMD_LG.DATE_CREAT "C_CMD_LG.DATE_CREAT",
C_CMD_LG.DATE_MODIF "C_CMD_LG.DATE_MODIF",
C_CMD_LG.MANUELLE "C_CMD_LG.MANUELLE",
C_CMD_LG.JAA_FORM_ONE "C_CMD_LG.JAA_FORM_ONE",
C_CMD_LG.LIBREAUN "C_CMD_LG.LIBREAUN",
FACTURE.CD_FACTURE "FACTURE.CD_FACTURE",
FACTURE.CD_CLIENT "FACTURE.CD_CLIENT",
FACTURE.N_ADR_FAC "FACTURE.N_ADR_FAC",
FACTURE.CD_COND_REG "FACTURE.CD_COND_REG",
FACTURE.CD_TYPE_TVA "FACTURE.CD_TYPE_TVA",
FACTURE.CD_MONNAIE "FACTURE.CD_MONNAIE",
FACTURE.CD_SOCIETE "FACTURE.CD_SOCIETE",
FACTURE.CD_EMP_CRE "FACTURE.CD_EMP_CRE",
FACTURE.CD_EMP_MOD "FACTURE.CD_EMP_MOD",
FACTURE.ID_FACTURE "FACTURE.ID_FACTURE",
FACTURE.DATE_FACT "FACTURE.DATE_FACT",
FACTURE.TVA "FACTURE.TVA",
FACTURE.MONTANT "FACTURE.MONTANT",
FACTURE.PORT "FACTURE.PORT",
FACTURE.EMBALLAGE "FACTURE.EMBALLAGE",
FACTURE.N_COMPTA "FACTURE.N_COMPTA",
FACTURE.STATUT "FACTURE.STATUT",
FACTURE.TEXTE_COM "FACTURE.TEXTE_COM",
FACTURE.DATE_ECHEA "FACTURE.DATE_ECHEA",
FACTURE.TRANS_EDI "FACTURE.TRANS_EDI",
FACTURE.TYPE_EDI "FACTURE.TYPE_EDI",
FACTURE.DATE_CREAT "FACTURE.DATE_CREAT",
FACTURE.DATE_MODIF "FACTURE.DATE_MODIF",
FACTURE.INACTIF "FACTURE.INACTIF",
FACT_LG.CD_FACTURE "FACT_LG.CD_FACTURE",
FACT_LG.LIG_FACTURE "FACT_LG.LIG_FACTURE",
FACT_LG.CD_BL "FACT_LG.CD_BL",
FACT_LG.NUM_LIGNE "FACT_LG.NUM_LIGNE",
FACT_LG.CD_COND_PAIE "FACT_LG.CD_COND_PAIE",
FACT_LG.CD_EMP_CRE "FACT_LG.CD_EMP_CRE",
FACT_LG.CD_EMP_MOD "FACT_LG.CD_EMP_MOD",
FACT_LG_FORMAT.QTE_FACT "FACT_LG.QTE_FACT",
FACT_LG_FORMAT.PU_FACT "FACT_LG.PU_FACT",
FACT_LG.TEXTE_COM "FACT_LG.TEXTE_COM",
FACT_LG.DATE_CREAT "FACT_LG.DATE_CREAT",
FACT_LG.DATE_MODIF "FACT_LG.DATE_MODIF",
(SELECT COUNT(*) FROM FACT_LG FLG WHERE BL_LG.CD_BL = FLG.CD_BL AND BL_LG.NUM_LIGNE =
FLG.NUM_LIGNE) AS NB_FAT_LG,
AVOIR_LG.MONTANT_AVOIR_LG "AVOIR_LG.MONTANT_AVOIR_LG",
MONNAIE.CD_MONNAIE "MONNAIE.CD_MONNAIE",
MONNAIE.CD_MON_IMP "MONNAIE.CD_MON_IMP",
MONNAIE.CD_EMP_CRE "MONNAIE.CD_EMP_CRE",
MONNAIE.CD_EMP_MOD "MONNAIE.CD_EMP_MOD",
MONNAIE.DATE_CREAT "MONNAIE.DATE_CREAT",
MONNAIE.DATE_MODIF "MONNAIE.DATE_MODIF",
MONNAIE.INACTIF "MONNAIE.INACTIF",
MONNAIE.LIBELLE "MONNAIE.LIBELLE",
MONNAIE.ABREV "MONNAIE.ABREV",

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MONNAIE.COEFF_MULT "MONNAIE.COEFF_MULT",
MONNAIE.VAL_DEF "MONNAIE.VAL_DEF",
MONNAIE.N_COMPTA "MONNAIE.N_COMPTA",
MONNAIE.ABREV_EDI "MONNAIE.ABREV_EDI",
H_MONNAIE.TAUX "H_MONNAIE.TAUX",
MONNAIE_FACTURE.CD_MONNAIE "MONNAIE_FACTURE.CD_MONNAIE",
MONNAIE_FACTURE.CD_MON_IMP "MONNAIE_FACTURE.CD_MON_IMP",
MONNAIE_FACTURE.CD_EMP_CRE "MONNAIE_FACTURE.CD_EMP_CRE",
MONNAIE_FACTURE.CD_EMP_MOD "MONNAIE_FACTURE.CD_EMP_MOD",
MONNAIE_FACTURE.DATE_CREAT "MONNAIE_FACTURE.DATE_CREAT",
MONNAIE_FACTURE.DATE_MODIF "MONNAIE_FACTURE.DATE_MODIF",
MONNAIE_FACTURE.INACTIF "MONNAIE_FACTURE.INACTIF",
MONNAIE_FACTURE.LIBELLE "MONNAIE_FACTURE.LIBELLE",
MONNAIE_FACTURE.ABREV "MONNAIE_FACTURE.ABREV",
MONNAIE_FACTURE.COEFF_MULT "MONNAIE_FACTURE.COEFF_MULT",
MONNAIE_FACTURE.VAL_DEF "MONNAIE_FACTURE.VAL_DEF",
MONNAIE_FACTURE.N_COMPTA "MONNAIE_FACTURE.N_COMPTA",
MONNAIE_FACTURE.ABREV_EDI "MONNAIE_FACTURE.ABREV_EDI",
H_MONNAIE_FACTURE.TAUX "H_MONNAIE_FACTURE.TAUX",
(SELECT ABREV FROM MONNAIE WHERE VAL_DEF=1) AS MONNAIE_DEFAULT,
UNITE.CD_UNITE "UNITE.CD_UNITE",
UNITE.COEFF_MULT "UNITE.COEFF_MULT",
UNITE.ABREV "UNITE.ABREV"
FROM BL, BL_LG, BL_LG_FORMAT, CLIENT, C_CMD, C_CMD_LG, C_CMD_LG_FORMAT, FACTURE, FACT_LG,
FACT_LG_FORMAT, AVOIR_LG, MONNAIE, H_MONNAIE, UNITE, ARTICLE, MONNAIE_FACTURE,
H_MONNAIE_FACTURE
WHERE
BL_LG.CD_BL = BL.CD_BL AND
BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE AND
C_CMD_LG_FORMAT.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
C_CMD_LG_FORMAT.N_LIGNE = C_CMD_LG.N_LIGNE AND
C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE (+) AND
ARTICLE.CD_TYPE_GESTION = 2 AND
BL_LG.CD_BL = BL_LG_FORMAT.CD_BL AND
BL_LG.NUM_LIGNE = BL_LG_FORMAT.NUM_LIGNE AND
BL_LG_FORMAT.CD_UNITE = UNITE.CD_UNITE AND
BL_LG.CD_C_CMD = C_CMD.CD_C_CMD AND
BL_LG.CD_BL = FACT_LG.CD_BL (+) AND
BL_LG.NUM_LIGNE = FACT_LG.NUM_LIGNE (+) AND
FACT_LG.CD_FACTURE = FACT_LG_FORMAT.CD_FACTURE (+) AND
FACT_LG.LIG_FACTURE = FACT_LG_FORMAT.LIG_FACTURE (+) AND
BL.CD_CLIENT = CLIENT.CD_CLIENT AND
FACT_LG.CD_FACTURE = FACTURE.CD_FACTURE (+) AND
AVOIR_LG.CD_FACTURE (+) = FACT_LG.CD_FACTURE AND
AVOIR_LG.LIG_FACTURE (+) = FACT_LG.LIG_FACTURE AND
C_CMD.CD_MONNAIE = MONNAIE.CD_MONNAIE AND
C_CMD.CD_H_MONNAIE = H_MONNAIE.CD_H_MONNAIE AND
FACTURE.CD_MONNAIE = MONNAIE_FACTURE.CD_MONNAIE (+) AND
FACTURE.CD_H_MONNAIE = H_MONNAIE_FACTURE.CD_H_MONNAIE (+) AND
BL.BL_SS_FACT = 0 AND
(BL.STATUT <> 'A' AND
BL.STATUT <> 'EA')

```

2.2.2.9 Vue VUE_LIV_REP

2.2.2.9.1 Requête SQL de la vue VUE_LIV_REP

```

SELECT BL_LG.QTE_LIVREE "BL_LG.QTE_LIVREE",
BL.DATE_LIV "BL.DATE_LIV",
BL.BL_SS_FACT "BL.BL_SS_FACT",
C_CMD_LG.PRIX_UNIT "C_CMD_LG.PRIX_UNIT",
ARTICLE.CD_ARTI_FAMILLE "ARTICLE.CD_ARTI_FAMILLE",

```

```

BIL_MOIS.OBJECTIF_1 "BIL_MOIS.OBJECTIF_1",
ARTI_FAMILLE.LIBELLE "ARTI_FAMILLE.LIBELLE",
MONNAIE.COEFF_MULT "MONNAIE.COEFF_MULT",
BL.ID_BL "BL.ID_BL"
FROM ARTICLE ARTICLE, ARTI_FAMILLE ARTI_FAMILLE, BIL_MOIS BIL_MOIS, BL BL, BL_LG BL_LG, C_CMD
C_CMD, C_CMD_LG C_CMD_LG, MONNAIE MONNAIE
WHERE BL.CD_BL = BL_LG.CD_BL
AND BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD
AND BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE
AND C_CMD_LG.CD_C_CMD = C_CMD.CD_C_CMD
AND C_CMD.CD_MONNAIE = MONNAIE.CD_MONNAIE
AND C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE
AND ARTICLE.CD_ARTI_FAMILLE = ARTI_FAMILLE.CD_ARTI_FAMILLE
AND BL.STATUT <> 'A'
AND BL.STATUT <> 'EA'

```

2.2.2.10 Vue VUE_SUIV_LIV

2.2.2.10.1 Requête SQL de la vue VUE_SUIV_LIV

```

SELECT TO_NUMBER(TRIM(CLIENT.ID_CLIENT)) AS ID_CLIENT,
        CLIENT.NOM,
        CLIENT.VILLE,
        CLIENT.CD_CLIENT,
        TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY') AS ANNEE,
        TO_CHAR(C_CMD_LG.DATE_LIV, 'MM') AS MOIS,
        0 AS EN_AVANCE,
        0 AS A_L_HEURE,
        MAX(NON_LIVRE_MOIS) AS NON_LIVRE_MOIS,
        MAX(NON_LIVREE.NB_RETARD) AS EN_RETARD,
        MAX(NVL(NON_LIVREE.RETARD_PASSE,0)) AS SUM_EN_RETARD,
        0 AS MARGE,
        'NON_LIVREE' AS LIVREE,
        1 AS CD_ARTICLE,
        0 AS CD_C_CMD,
        0 AS N_LIGNE
FROM CLIENT, C_CMD, C_CMD_LG, C_CMD_LG_TYPE
,
(
SELECT CLIENT.CD_CLIENT AS CD_CLIENT,
        TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY'),
        TO_CHAR(C_CMD_LG.DATE_LIV, 'MM'),
        TO_NUMBER(TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY')) * 100 +
TO_NUMBER(TO_CHAR(C_CMD_LG.DATE_LIV, 'MM')) AS CLE,
        COUNT(*) OVER (PARTITION BY CLIENT.CD_CLIENT, TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY'),
TO_CHAR(C_CMD_LG.DATE_LIV, 'MM')) AS NON_LIVRE_MOIS,
        SUM(CASE WHEN TO_DATE(C_CMD_LG.DATE_LIV) < (SELECT TO_DATE(SYSDATE) FROM DUAL)
THEN 1 ELSE 0 END) OVER (PARTITION BY CLIENT.CD_CLIENT, TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY'),
TO_CHAR(C_CMD_LG.DATE_LIV, 'MM')) AS NB_RETARD,
        MAX((SELECT SUM(NVL(COUNT(*), 0))
FROM C_CMD C, C_CMD_LG LG, C_CMD_LG_TYPE
WHERE C.CD_C_CMD = LG.CD_C_CMD AND
LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE AND
C_CMD_LG_TYPE.LIVRABLE = 1 AND
LG.SOLDEE = 0 AND
TO_NUMBER(TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY')) * 100 +
TO_NUMBER(TO_CHAR(C_CMD_LG.DATE_LIV, 'MM')) >=
TO_NUMBER(TO_CHAR(LG.DATE_LIV, 'YYYY')) * 100 +
TO_NUMBER(TO_CHAR(LG.DATE_LIV, 'MM')) AND
C.CD_CLIENT = C_CMD.CD_CLIENT AND
TO_NUMBER(TO_CHAR(LG.DATE_LIV, 'YYYY')) * 100 +
TO_NUMBER(TO_CHAR(LG.DATE_LIV, 'MM')) <=
TO_NUMBER(TO_CHAR((SELECT TO_DATE(SYSDATE)

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```

FROM DUAL), 'YYYY')) * 100 + TO_NUMBER(TO_CHAR((SELECT TO_DATE(SYSDATE) FROM DUAL), 'MM'))
      GROUP BY C_CD_CLIENT, TO_CHAR(LG.DATE_LIV, 'YYYY'),
TO_CHAR(LG.DATE_LIV, 'MM')
      )) OVER (PARTITION BY CLIENT.CD_CLIENT, TO_CHAR(C_CMD_LG.DATE_LIV,
'YYYY'), TO_CHAR(C_CMD_LG.DATE_LIV, 'MM'))
AS RETARD_PASSE
      FROM CLIENT, C_CMD, C_CMD_LG, C_CMD_LG_TYPE
      WHERE C_CMD.CD_CLIENT = CLIENT.CD_CLIENT AND
            C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE AND
            C_CMD_LG_TYPE.LIVRABLE = 1 AND
            NVL(C_CMD_LG.SOLDEE, 0) = 0 AND
            C_CMD.CD_CLIENT > 0
      ORDER BY CLIENT.CD_CLIENT,
            TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY'),
            TO_CHAR(C_CMD_LG.DATE_LIV, 'MM')
) NON_LIVREE
      WHERE C_CMD.CD_CLIENT = CLIENT.CD_CLIENT AND
            C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE AND
            C_CMD_LG_TYPE.LIVRABLE = 1 AND
            NVL(C_CMD_LG.SOLDEE, 0) = 0 AND
            C_CMD.CD_CLIENT > 0 AND
            TO_NUMBER(TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY')) * 100 +
TO_NUMBER(TO_CHAR(C_CMD_LG.DATE_LIV, 'MM')) = NON_LIVREE.CLE AND
            C_CMD.CD_CLIENT = NON_LIVREE.CD_CLIENT
      GROUP BY TO_NUMBER(TRIM(CLIENT.ID_CLIENT)), CLIENT.NOM, CLIENT.VILLE, CLIENT.CD_CLIENT,
TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY'), TO_CHAR(C_CMD_LG.DATE_LIV, 'MM')
UNION ALL
SELECT TO_NUMBER(TRIM(CLIENT.ID_CLIENT)) AS ID_CLIENT,
      CLIENT.NOM,
      CLIENT.VILLE,
      CLIENT.CD_CLIENT,
      TO_CHAR(C_CMD_LG.DATE_LIV, 'YYYY') AS ANNEE,
      TO_CHAR(C_CMD_LG.DATE_LIV, 'MM') AS MOIS,
      0 AS EN_AVANCE,
      0 AS A_L_HEURE,
      0 AS NON_LIVRE_MOIS,
      0 AS EN_RETARD,
      0 AS SUM_EN_RETARD,
      TO_DATE(C_CMD_LG.DATE_LIV) - MAX_LIV.DATE_MAX AS MARGE,
      'LIVREE',
      C_CMD_LG.CD_ARTICLE AS CD_ARTICLE,
      C_CMD_LG.CD_C_CMD,
      C_CMD_LG.N_LIGNE
      FROM CLIENT, C_CMD, C_CMD_LG, C_CMD_LG_TYPE,
            (SELECT BL_LG.CD_C_CMD AS CD_C_CMD, BL_LG.N_LIGNE AS N_LIGNE,
MAX(TO_DATE(BL.DATE_LIV)) AS DATE_MAX
      FROM BL, BL_LG
      WHERE BL.CD_BL = BL_LG.CD_BL AND
            BL.INACTIF=0
      GROUP BY BL_LG.CD_C_CMD, BL_LG.N_LIGNE
      ) MAX_LIV
      WHERE C_CMD.CD_CLIENT = CLIENT.CD_CLIENT AND
            C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE AND
            C_CMD_LG_TYPE.LIVRABLE = 1 AND
            NVL(C_CMD_LG.SOLDEE, 0) = 1 AND
            C_CMD.CD_CLIENT > 0 AND
            MAX_LIV.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
            MAX_LIV.N_LIGNE = C_CMD_LG.N_LIGNE
      ORDER BY 1,2,3

```

2.2.2.11 Vue VUE_SUIV_LIV_RECAL

2.2.2.11.1 Requête SQL de la vue VUE_SUIV_LIV_RECAL

```

SELECT TO_NUMBER(TRIM(CLIENT.ID_CLIENT)) AS ID_CLIENT,
       CLIENT.NOM,
       CLIENT.VILLE,
       CLIENT.CD_CLIENT,
       TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY') AS ANNEE,
       TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM') AS MOIS,
       0 AS EN_AVANCE,
       0 AS A_L_HEURE,
       MAX(NON_LIVRE_MOIS) AS NON_LIVRE_MOIS,
       MAX(NON_LIVREE.NB_RETARD) AS EN_RETARD,
       MAX(NON_LIVREE.RETARD_PASSE) AS SUM_EN_RETARD,
       0 AS MARGE,
       'NON_LIVREE' AS LIVREE,
       1 AS CD_ARTICLE,
       0 AS CD_C_CMD,
       0 AS N_LIGNE
FROM CLIENT, C_CMD, C_CMD_LG, C_CMD_LG_TYPE
,
(
SELECT CLIENT.CD_CLIENT AS CD_CLIENT,
       TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY'),
       TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM'),
       TO_NUMBER(TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY')) * 100 +
TO_NUMBER(TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM')) AS CLE,
       COUNT(*) OVER (PARTITION BY CLIENT.CD_CLIENT, TO_CHAR(NVL(C_CMD_LG.DATE_RECAL,
C_CMD_LG.DATE_LIV), 'YYYY'), TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM')) AS
NON_LIVRE_MOIS,
       SUM(CASE WHEN TO_DATE(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)) < (SELECT
TO_DATE(SYSDATE) FROM DUAL) THEN 1 ELSE 0 END) OVER (PARTITION BY CLIENT.CD_CLIENT,
TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY'),
TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM')) AS NB_RETARD,
       MAX((SELECT SUM(NVL(COUNT(*), 0))
FROM C_CMD C, C_CMD_LG LG, C_CMD_LG_TYPE
WHERE C.CD_C_CMD = LG.CD_C_CMD AND
LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE AND
C_CMD_LG_TYPE.LIVRABLE = 1 AND
LG.SOLDEE = 0 AND
TO_NUMBER(TO_CHAR(NVL(C_CMD_LG.DATE_RECAL,
C_CMD_LG.DATE_LIV), 'YYYY')) * 100 + TO_NUMBER(TO_CHAR(NVL(C_CMD_LG.DATE_RECAL,
C_CMD_LG.DATE_LIV), 'MM')) >=
TO_NUMBER(TO_CHAR(NVL(LG.DATE_RECAL,
LG.DATE_LIV), 'YYYY')) * 100 + TO_NUMBER(TO_CHAR(NVL(LG.DATE_RECAL, LG.DATE_LIV), 'MM')) AND
C.CD_CLIENT = C_CMD.CD_CLIENT AND
TO_NUMBER(TO_CHAR(NVL(LG.DATE_RECAL,
LG.DATE_LIV), 'YYYY')) * 100 + TO_NUMBER(TO_CHAR(NVL(LG.DATE_RECAL, LG.DATE_LIV), 'MM')) <=
TO_NUMBER(TO_CHAR((SELECT TO_DATE(SYSDATE)
FROM DUAL), 'YYYY')) * 100 + TO_NUMBER(TO_CHAR((SELECT TO_DATE(SYSDATE) FROM DUAL), 'MM'))
GROUP BY C.CD_CLIENT, TO_CHAR(NVL(LG.DATE_RECAL,
LG.DATE_LIV), 'YYYY'), TO_CHAR(NVL(LG.DATE_RECAL, LG.DATE_LIV), 'MM')
)) OVER (PARTITION BY CLIENT.CD_CLIENT,
TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY'),
TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM'))
AS RETARD_PASSE
FROM CLIENT, C_CMD, C_CMD_LG, C_CMD_LG_TYPE
WHERE C_CMD.CD_CLIENT = CLIENT.CD_CLIENT AND
C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE AND
C_CMD_LG_TYPE.LIVRABLE = 1 AND

```

```

        NVL(C_CMD_LG.SOLDEE, 0) = 0 AND
        C_CMD.CD_CLIENT > 0
    ORDER BY CLIENT.CD_CLIENT,
        TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY'),
        TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM')
) NON_LIVREE
    WHERE C_CMD.CD_CLIENT = CLIENT.CD_CLIENT AND
        C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
    C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE AND
        C_CMD_LG_TYPE.LIVRABLE = 1 AND
        NVL(C_CMD_LG.SOLDEE, 0) = 0 AND
        C_CMD.CD_CLIENT > 0 AND
        TO_NUMBER(TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY')) *
100 + TO_NUMBER(TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM')) = NON_LIVREE.CLE
AND
        C_CMD.CD_CLIENT = NON_LIVREE.CD_CLIENT
    GROUP BY TO_NUMBER(TRIM(CLIENT.ID_CLIENT)), CLIENT.NOM, CLIENT.VILLE, CLIENT.CD_CLIENT,
    TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY'),
    TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM')
UNION ALL
SELECT TO_NUMBER(TRIM(CLIENT.ID_CLIENT)) AS ID_CLIENT,
        CLIENT.NOM,
        CLIENT.VILLE,
    CLIENT.CD_CLIENT,
    TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'YYYY') AS ANNEE,
        TO_CHAR(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV), 'MM') AS MOIS,
        0 AS EN_AVANCE,
        0 AS A_L_HEURE,
        0 AS NON_LIVRE_MOIS,
        0 AS EN_RETARD,
        0 AS SUM_EN_RETARD,
        TO_DATE(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)) - MAX_LIV.DATE_MAX AS
MARGE,
        'LIVREE',
        C_CMD_LG.CD_ARTICLE AS CD_ARTICLE,
        C_CMD_LG.CD_C_CMD,
        C_CMD_LG.N_LIGNE
    FROM CLIENT, C_CMD, C_CMD_LG, C_CMD_LG_TYPE,
        (SELECT BL_LG.CD_C_CMD AS CD_C_CMD, BL_LG.N_LIGNE AS N_LIGNE,
MAX(TO_DATE(BL.DATE_LIV)) AS DATE_MAX
        FROM BL, BL_LG
        WHERE BL.CD_BL = BL_LG.CD_BL AND
            BL.INACTIF=0
        GROUP BY BL_LG.CD_C_CMD, BL_LG.N_LIGNE
        ) MAX_LIV
    WHERE C_CMD.CD_CLIENT = CLIENT.CD_CLIENT AND
        C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
    C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE AND
        C_CMD_LG_TYPE.LIVRABLE = 1 AND
        NVL(C_CMD_LG.SOLDEE, 0) = 1 AND
        C_CMD.CD_CLIENT > 0 AND
        MAX_LIV.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
        MAX_LIV.N_LIGNE = C_CMD_LG.N_LIGNE
    ORDER BY 1,2,3

```

2.2.2.12 Vue VUE_TAUX_SERVICE

2.2.2.12.1 Requête SQL de la vue VUE_TAUX_SERVICE

```

SELECT BL.CD_BL,
        BL.CD_CLIENT,
        BL.N_ADR_LIV,
        BL.ID_BL,

```

```

    TO_DATE(BL.DATE_LIV) as DATE_LIV,
    BL.STATUT,
    BL.BL_SS_FACT,
    CLIENT.ID_CLIENT,
    CLIENT.NOM,
    CLIENT.CPLT_NOM,
    CLIENT.ADR1,
    CLIENT.ADR2,
    CLIENT.BP,
    CLIENT.CP,
    CLIENT.VILLE,
    CLIENT.PAYS,
    CLIENT.N_TEL,
    CLIENT.N_FAX,
    BL_LG.NUM_LIGNE,
    BL_LG.QTE_LIVREE,
    BL_LG.QTE_FACT,
    BL_LG.QTE_FACATT,
    BL_LG.ATT_FACT,
    C_CMD_LG.CD_C_CMD,
    C_CMD_LG.N_LIGNE,
    C_CMD_LG.CD_C_CMD_LG_TYPE,
    C_CMD_LG.CD_ARTICLE,
    C_CMD_LG.N_PO_CLI,
    C_CMD_LG.N_DOSSIER,
    C_CMD_LG.REF_ARTI,
    C_CMD_LG.DES_ARTI,
    C_CMD_LG.QTE_CMDEE,
    C_CMD_LG.PRIX_UNIT,
    C_CMD_LG.SOLDEE,
    ARTICLE.ID_ARTICLE,
    ARTICLE.CD_ARTI_FAMILLE,
    ARTICLE.CD_ARTI_SS_FAMILLE,
    ARTICLE.LIBELLE,
    ARTICLE.REF,
    ARTICLE.REF_CLI,
    ARTI_FAMILLE.LIBELLE AS FAM_LIBELLE,
    ARTI_SS_FAMILLE.LIBELLE AS SS_FAM_LIBELLE,
    C_CMD_LG_TYPE.LIBELLE AS TYPE_LG_LIBELLE,
    TO_DATE(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)) as date_liv_cmde,
    NVL(C_CMD_LG.QTE_CMDEE, 0) - NVL(C_CMD_LG.QTE_LIVREE, 0) as reste_a_livrer,
    100 AS TAUX_SERVICE
FROM BL, BL_LG, CLIENT, C_CMD_LG, ARTICLE, ARTI_FAMILLE, ARTI_SS_FAMILLE, C_CMD_LG_TYPE
WHERE BL.CD_BL = BL_LG.CD_BL AND
    BL.CD_CLIENT = CLIENT.CD_CLIENT AND
    BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
    BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE AND
    C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE AND
    C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE (+) AND
    ARTICLE.CD_ARTI_FAMILLE = ARTI_FAMILLE.CD_ARTI_FAMILLE (+) AND
    ARTICLE.CD_ARTI_SS_FAMILLE = ARTI_SS_FAMILLE.CD_ARTI_SS_FAMILLE (+) AND
    NVL(C_CMD_LG.QTE_CMDEE, 0) - NVL(C_CMD_LG.QTE_LIVREE, 0) = 0 AND
    BL.DATE_LIV = (SELECT MAX(B.DATE_LIV) FROM BL B, BL_LG LG, C_CMD_LG CLG WHERE B.CD_BL =
    LG.CD_BL AND LG.CD_C_CMD = CLG.CD_C_CMD AND LG.N_LIGNE = CLG.N_LIGNE AND C_CMD_LG.CD_C_CMD
    = CLG.CD_C_CMD AND C_CMD_LG.N_LIGNE = CLG.N_LIGNE ) AND
    BL.DATE_LIV <= NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)
UNION ALL
SELECT BL.CD_BL,
    BL.CD_CLIENT,
    BL.N_ADR_LIV,
    BL.ID_BL,
    TO_DATE(BL.DATE_LIV) as DATE_LIV,
    BL.STATUT,

```

```

BL.BL_SS_FACT,
CLIENT.ID_CLIENT,
CLIENT.NOM,
CLIENT.CPLT_NOM,
CLIENT.ADR1,
CLIENT.ADR2,
CLIENT.BP,
CLIENT.CP,
CLIENT.VILLE,
CLIENT.PAYS,
CLIENT.N_TEL,
CLIENT.N_FAX,
BL_LG.NUM_LIGNE,
BL_LG.QTE_LIVREE,
BL_LG.QTE_FACT,
BL_LG.QTE_FACATT,
BL_LG.ATT_FACT,
C_CMD_LG.CD_C_CMD,
C_CMD_LG.N_LIGNE,
C_CMD_LG.CD_C_CMD_LG_TYPE,
C_CMD_LG.CD_ARTICLE,
C_CMD_LG.N_PO_CLI,
C_CMD_LG.N_DOSSIER,
C_CMD_LG.REF_ARTI,
C_CMD_LG.DES_ARTI,
C_CMD_LG.QTE_CMDEE,
C_CMD_LG.PRIX_UNIT,
C_CMD_LG.SOLDEE,
ARTICLE.ID_ARTICLE,
ARTICLE.CD_ARTI_FAMILLE,
ARTICLE.CD_ARTI_SS_FAMILLE,
ARTICLE.LIBELLE,
ARTICLE.REF,
ARTICLE.REF_CLI,
ARTI_FAMILLE.LIBELLE,
ARTI_SS_FAMILLE.LIBELLE,
C_CMD_LG_TYPE.LIBELLE,
TO_DATE(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)) as date_liv_cmde,
NVL(C_CMD_LG.QTE_CMDEE, 0) - NVL(C_CMD_LG.QTE_LIVREE, 0),
0 AS TAUX_SERVICE
FROM BL, BL_LG, CLIENT, C_CMD_LG, ARTICLE, ARTI_FAMILLE, ARTI_SS_FAMILLE, C_CMD_LG_TYPE
WHERE BL.CD_BL = BL_LG.CD_BL AND
      BL.CD_CLIENT = CLIENT.CD_CLIENT AND
      BL_LG.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
      BL_LG.N_LIGNE = C_CMD_LG.N_LIGNE AND
      C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE AND
      C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE (+) AND
      ARTICLE.CD_ARTI_FAMILLE = ARTI_FAMILLE.CD_ARTI_FAMILLE (+) AND
      ARTICLE.CD_ARTI_SS_FAMILLE = ARTI_SS_FAMILLE.CD_ARTI_SS_FAMILLE (+) AND
      NVL(C_CMD_LG.QTE_CMDEE, 0) - NVL(C_CMD_LG.QTE_LIVREE, 0) = 0 AND
      BL.DATE_LIV = (SELECT MAX(B.DATE_LIV) FROM BL B, BL_LG LG, C_CMD_LG CLG WHERE B.CD_BL =
LG.CD_BL AND LG.CD_C_CMD = CLG.CD_C_CMD AND LG.N_LIGNE = CLG.N_LIGNE AND C_CMD_LG.CD_C_CMD
= CLG.CD_C_CMD AND C_CMD_LG.N_LIGNE = CLG.N_LIGNE ) AND
      BL.DATE_LIV > NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)
UNION ALL
SELECT NULL,
      C_CMD.CD_CLIENT,
      C_CMD.N_ADR_LIV,
      ",
      TO_DATE(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)) as DATE_LIV,
      ",
      0,
      CLIENT.ID_CLIENT,

```

```

CLIENT.NOM,
CLIENT.CPLT_NOM,
CLIENT.ADR1,
CLIENT.ADR2,
CLIENT.BP,
CLIENT.CP,
CLIENT.VILLE,
CLIENT.PAYS,
CLIENT.N_TEL,
CLIENT.N_FAX,
0,
0,
0,
0,
0,
C_CMD_LG.CD_C_CMD,
C_CMD_LG.N_LIGNE,
C_CMD_LG.CD_C_CMD_LG_TYPE,
C_CMD_LG.CD_ARTICLE,
C_CMD_LG.N_PO_CLI,
C_CMD_LG.N_DOSSIER,
C_CMD_LG.REF_ARTI,
C_CMD_LG.DES_ARTI,
C_CMD_LG.QTE_CMDEE,
C_CMD_LG.PRIX_UNIT,
C_CMD_LG.SOLDEE,
ARTICLE.ID_ARTICLE,
ARTICLE.CD_ARTI_FAMILLE,
ARTICLE.CD_ARTI_SS_FAMILLE,
ARTICLE.LIBELLE,
ARTICLE.REF,
ARTICLE.REF_CLI,
ARTI_FAMILLE.LIBELLE,
ARTI_SS_FAMILLE.LIBELLE,
C_CMD_LG_TYPE.LIBELLE,
TO_DATE(NVL(C_CMD_LG.DATE_RECAL, C_CMD_LG.DATE_LIV)) as date_liv_cmde,
NVL(C_CMD_LG.QTE_CMDEE, 0) - NVL(C_CMD_LG.QTE_LIVREE, 0),
0 AS TAUX_SERVICE
FROM CLIENT, C_CMD, C_CMD_LG, ARTICLE, ARTI_FAMILLE, ARTI_SS_FAMILLE, C_CMD_LG_TYPE
WHERE C_CMD.CD_CLIENT = CLIENT.CD_CLIENT AND
C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD AND
C_CMD_LG.CD_ARTICLE = ARTICLE.CD_ARTICLE AND
C_CMD_LG.CD_C_CMD_LG_TYPE = C_CMD_LG_TYPE.CD_C_CMD_LG_TYPE (+) AND
ARTICLE.CD_ARTI_FAMILLE = ARTI_FAMILLE.CD_ARTI_FAMILLE (+) AND
ARTICLE.CD_ARTI_SS_FAMILLE = ARTI_SS_FAMILLE.CD_ARTI_SS_FAMILLE (+) AND
NVL(C_CMD_LG.QTE_CMDEE, 0) - NVL(C_CMD_LG.QTE_LIVREE, 0) > 0

```

2.2.2.13 Vue VUE_TRACABILITE

2.2.2.13.1 Requête SQL de la vue VUE_TRACABILITE

```

SELECT
CLIENT.CD_CLIENT AS "CLIENT.CD_CLIENT" ,
EMPLOYE.NOM AS "EMPLOYE.NOM",
EMPLOYE.PRENOM AS "EMPLOYE.PRENOM",
SOCIETE.NOM AS "SOCIETE.NOM",
SOCIETE.ADR1 AS "SOCIETE.ADR1",
SOCIETE.ADR2 AS "SOCIETE.ADR2",
SOCIETE.BP AS "SOCIETE.BP",
SOCIETE.CP AS "SOCIETE.CP",
SOCIETE.VILLE AS "SOCIETE.VILLE",
SOCIETE.PAYS AS "SOCIETE.PAYS",
SOCIETE.N_TEL AS "SOCIETE.N_TEL",

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```
SOCIETE.N_FAX AS "SOCIETE.N_FAX",
SOCIETE.E_MAIL AS "SOCIETE.E_MAIL",
SOCIETE.SITE_WEB AS "SOCIETE.SITE_WEB",
ARTICLE_PERE.ID_ARTICLE AS "ARTICLE_PERE.ID_ARTICLE",
ARTICLE_PERE.REF AS "ARTICLE_PERE.REF",
ARTICLE_PERE.LIBELLE AS "ARTICLE_PERE.LIBELLE",
C_CMD.ID_C_CMD AS ID_C_CMD,C_CMD.ID_ANNEE AS ID_ANNEE,
C_CMD_LG.N_LIGNE AS N_LIGNE,
C_CMD_LG.N_PO_CLI AS N_POSTE,
C_CMD_LG.N_DOSSIER AS N_DOSSIER,
'A' AS TYPE_FOURNITURE ,
ARTICLE.CD_ARTICLE AS CD_FOURNITURE ,
ARTICLE.ID_ARTICLE AS ID_FOURNITURE ,
ARTICLE.REF AS REF_FOURNITURE,
ARTICLE.LIBELLE AS LIBELLE_FOURNITURE,
BL.CD_BL AS "BL.CD_BL",
BL.ID_BL AS "BL.ID_BL",
BL_LG.NUM_LIGNE AS "BL_LG.NUM_LIGNE",
BL_LG.QTE_LIVREE AS "BL_LG.QTE_LIVREE",
( OFS_FILS.QTE_LANCEE - OFS_FILS.QTE_REBUT ) * BIL_NSOF.COEFF * ( STOCK_ARTI_SBL.QTE_S / (
OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT ) ) AS QTE_CONSOMMEE_REEL,
CEIL( ROUND(( OFS_FILS.QTE_LANCEE - OFS_FILS.QTE_REBUT ) * BIL_NSOF.COEFF * ( STOCK_ARTI_SBL.QTE_S
/ ( OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT ) ),9) ) AS QTE_CONSOMMEE_ARRONDI_SUPP,
'U' AS UNITE_ABREV ,
1 AS CD_TYPE_UNITE ,
DECODE(BIL_NSOF.CD_OFS_FILS,BIL_NSOF.CD_OFS_PERE,1,0) AS ARTICLE_PERE ,
TRIM(OFS_FILS.ID_OFS) AS N_LOT,
NULL AS N_CC,
STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF AS CD_STOCK_ENTREE,
NULL AS N_IDENT,
STOCK_ARTI_EOF.SITUATION AS SITUATION,
NULL AS N_BL_ENTREE
FROM CLIENT ,
    SOCIETE ,
    EMPLOYE ,
    C_CMD ,
    C_CMD_LG ,
    BL ,
    BL_LG ,
    STOCK_ARTI_SBL ,
    STOCK_ARTI_EOF ,
    OFS OFS_FILS ,
    ARTICLE ,
    ARTICLE ARTICLE_PERE ,
    BIL_NSOF ,
    OFS OFS_PERE
WHERE SOCIETE.CD_SOCIETE = C_CMD.CD_SOCIETE
AND EMPLOYE.CD_EMPLOYE (+) = C_CMD.CD_EMP_VALID
AND CLIENT.CD_CLIENT = C_CMD.CD_CLIENT
AND C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD
AND C_CMD_LG.CD_C_CMD = BL_LG.CD_C_CMD
AND C_CMD_LG.N_LIGNE = BL_LG.N_LIGNE
AND BL.CD_BL = BL_LG.CD_BL
AND BL_LG.CD_BL = STOCK_ARTI_SBL.CD_BL
AND BL_LG.NUM_LIGNE = STOCK_ARTI_SBL.NUM_LIGNE
AND STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF = STOCK_ARTI_SBL.CD_STOCK_ARTI_EOF
AND BIL_NSOF.CD_OFS_PERE = STOCK_ARTI_EOF.CD_OFS
AND OFS_FILS.CD_OFS = BIL_NSOF.CD_OFS_FILS
AND OFS_PERE.CD_OFS = BIL_NSOF.CD_OFS_PERE
AND ARTICLE.CD_ARTICLE = OFS_FILS.CD_ARTICLE
AND ARTICLE_PERE.CD_ARTICLE = OFS_PERE.CD_ARTICLE
AND ( OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT ) > 0
AND OFS_FILS.R_CONF = 0
```

```
UNION ALL
SELECT CLIENT.CD_CLIENT ,
EMPLOYE.NOM ,
EMPLOYE.PRENOM ,
SOCIETE.NOM ,
SOCIETE.ADR1 ,
SOCIETE.ADR2 ,
SOCIETE.BP ,
SOCIETE.CP ,
SOCIETE.VILLE ,
SOCIETE.PAYS ,
SOCIETE.N_TEL ,
SOCIETE.N_FAX ,
SOCIETE.E_MAIL ,
SOCIETE.SITE_WEB ,
ARTICLE.ID_ARTICLE ,
ARTICLE.REF ,
ARTICLE.LIBELLE ,
C_CMD.ID_C_CMD ,
C_CMD.ID_ANNEE ,
C_CMD_LG.N_LIGNE ,
C_CMD_LG.N_PO_CLI ,
C_CMD_LG.N_DOSSIER,
'M' ,
MATIERE.CD_MATIERE ,
MATIERE.ID_MATIERE ,
MATIERE.REF_LIBELLE ,
NULL ,
BL.CD_BL ,
BL.ID_BL ,
BL_LG.NUM_LIGNE ,
BL_LG.QTE_LIVREE ,
SUM((STOCK_MATI_SOF_LG.QTE_U * STOCK_MATI_SOF_LG.QTE_LG * STOCK_MATI_SOF_LG.QTE_LA +
NVL(STOCK_MATI_SOF_LG.CHUTE_FERRAILLEE,0)) * ( UNITE_SORTIE.COEFF_MULT /
UNITE_ENTREE.COEFF_MULT ) * BIL_NSOF.COEFF * ( BL_LG.QTE_LIVREE / ( OFS_PERE.QTE_LANCEE -
OFS_PERE.QTE_REBUT ) ) ) ,
CEIL(ROUND(SUM((STOCK_MATI_SOF_LG.QTE_U * STOCK_MATI_SOF_LG.QTE_LG *
STOCK_MATI_SOF_LG.QTE_LA + NVL(STOCK_MATI_SOF_LG.CHUTE_FERRAILLEE,0)) * (
UNITE_SORTIE.COEFF_MULT / UNITE_ENTREE.COEFF_MULT ) * BIL_NSOF.COEFF * ( BL_LG.QTE_LIVREE / (
OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT ) ) ),9)) ,
UNITE_ENTREE.ABREV ,
MATI_FORME.CD_TYPE_UNITE,
0,
STOCK_MATI_EBL.N_LOT,
STOCK_MATI_EBL.N_CC,
STOCK_MATI_EBL.CD_STOCK_MATI_EBL AS CD_STOCK_ENTREE,
STOCK_MATI_EBL.N_IDENT,
STOCK_MATI_EBL.SITUATION,
STOCK_MATI_EBL.N_BL_ENTREE
FROM CLIENT , SOCIETE , EMPLOYE , C_CMD , C_CMD_LG , BL , BL_LG , STOCK_ARTI_SBL , STOCK_ARTI_EOF ,
BIL_NSOF , OFS OFS_PERE , STOCK_MATI_SOF , STOCK_MATI_SOF_LG , STOCK_MATI_EBL_LG ENTREE_LG,
STOCK_MATI_EBL , ARTICLE , STOCK_MATI_EBL_LG ENTREE_CHUTE_LG, CHUTE , MATIERE , MATI_FORME ,
UNITE UNITE_SORTIE , UNITE UNITE_ENTREE
WHERE SOCIETE.CD_SOCIETE = C_CMD.CD_SOCIETE
AND EMPLOYE.CD_EMPLOYE (+) = C_CMD.CD_EMP_VALID
AND CLIENT.CD_CLIENT = C_CMD.CD_CLIENT
AND C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD
AND C_CMD_LG.CD_C_CMD = BL_LG.CD_C_CMD
AND C_CMD_LG.N_LIGNE = BL_LG.N_LIGNE
AND BL.CD_BL = BL_LG.CD_BL
AND BL_LG.CD_BL = STOCK_ARTI_SBL.CD_BL
AND BL_LG.NUM_LIGNE = STOCK_ARTI_SBL.NUM_LIGNE
AND STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF = STOCK_ARTI_SBL.CD_STOCK_ARTI_EOF
```

```
AND BIL_NSOF.CD_OFS_PERE = STOCK_ARTI_EOF.CD_OFS
AND OFS_PERE.CD_OFS = BIL_NSOF.CD_OFS_PERE
AND ARTICLE.CD_ARTICLE = OFS_PERE.CD_ARTICLE
AND STOCK_MATI_SOF.CD_OFS = BIL_NSOF.CD_OFS_FILS
AND STOCK_MATI_SOF.CD_STOCK_MATI_SOF = STOCK_MATI_SOF_LG.CD_STOCK_MATI_SOF
AND ENTREE_LG.CD_STOCK_MATI_EBL (+) = STOCK_MATI_SOF_LG.CD_STOCK_MATI_EBL
AND ENTREE_LG.N_LIGNE (+) = STOCK_MATI_SOF_LG.N_LIGNE
AND CHUTE.CD_CHUTE (+) = STOCK_MATI_SOF_LG.CD_CHUTE
AND ENTREE_CHUTE_LG.CD_STOCK_MATI_EBL (+) = CHUTE.CD_STOCK_MATI_EBL
AND ENTREE_CHUTE_LG.N_LIGNE (+) = CHUTE.N_LIGNE_STOCK_MATI_EBL
AND STOCK_MATI_EBL.CD_STOCK_MATI_EBL = NVL(ENTREE_LG.CD_STOCK_MATI_EBL,0) +
NVL(ENTREE_CHUTE_LG.CD_STOCK_MATI_EBL,0)
AND ( MATIERE.CD_MATIERE = NVL(STOCK_MATI_EBL.CD_MATI_PROPRE,0) +
NVL(STOCK_MATI_EBL.CD_MATI_CLI,0) )
AND MATI_FORME.CD_MATI_FORME = MATIERE.CD_MATI_FORME
AND UNITE_SORTIE.CD_UNITE = STOCK_MATI_SOF.CD_UNITE
AND UNITE_ENTREE.CD_UNITE = STOCK_MATI_EBL.CD_UNITE
AND ( OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT ) > 0
GROUP BY
CLIENT.CD_CLIENT , EMPLOYE.NOM , EMPLOYE.PRENOM , SOCIETE.NOM , SOCIETE.ADR1 , SOCIETE.ADR2 ,
SOCIETE.BP , SOCIETE.CP , SOCIETE.VILLE , SOCIETE.PAYS , SOCIETE.N_TEL , SOCIETE.N_FAX ,
SOCIETE.E_MAIL , SOCIETE.SITE_WEB ,
ARTICLE.ID_ARTICLE , ARTICLE.REF , ARTICLE.LIBELLE ,
C_CMD.ID_C_CMD , C_CMD.ID_ANNEE , C_CMD_LG.N_LIGNE , C_CMD_LG.N_PO_CLI , C_CMD_LG.N_DOSSIER,
MATIERE.CD_MATIERE , MATIERE.ID_MATIERE , MATIERE.REF_LIBELLE ,
BL.CD_BL , BL.ID_BL , BL_LG.NUM_LIGNE , BL_LG.QTE_LIVREE ,
UNITE_ENTREE.ABREV ,
MATI_FORME.CD_TYPE_UNITE,
STOCK_MATI_EBL.N_LOT,
STOCK_MATI_EBL.N_CC,
STOCK_MATI_EBL.CD_STOCK_MATI_EBL,
STOCK_MATI_EBL.N_IDENT,
STOCK_MATI_EBL.SITUATION,
STOCK_MATI_EBL.N_BL_ENTREE
UNION ALL
SELECT CLIENT.CD_CLIENT ,
EMPLOYE.NOM ,
EMPLOYE.PRENOM ,
SOCIETE.NOM ,
SOCIETE.ADR1 ,
SOCIETE.ADR2 ,
SOCIETE.BP ,
SOCIETE.CP ,
SOCIETE.VILLE ,
SOCIETE.PAYS ,
SOCIETE.N_TEL ,
SOCIETE.N_FAX ,
SOCIETE.E_MAIL ,
SOCIETE.SITE_WEB ,
ARTICLE.ID_ARTICLE ,
ARTICLE.REF ,
ARTICLE.LIBELLE ,
C_CMD.ID_C_CMD ,
C_CMD.ID_ANNEE ,
C_CMD_LG.N_LIGNE ,
C_CMD_LG.N_PO_CLI ,
C_CMD_LG.N_DOSSIER,
'C',
COMPOSANT.CD_COMPOSANT ,
COMPOSANT.ID_COMPOSANT ,
COMPOSANT.REF ,
COMPOSANT.LIBELLE ,
BL.CD_BL ,
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BL.ID_BL ,
BL_LG.NUM_LIGNE ,
BL_LG.QTE_LIVREE ,
SUM((STOCK_COMP_SOF_LG.QTE_U * STOCK_COMP_SOF_LG.QTE_LG * STOCK_COMP_SOF_LG.QTE_LA) * (
UNITE_SORTIE.COEFF_MULT / UNITE_ENTREE.COEFF_MULT) * BIL_NSOF.COEFF * (BL_LG.QTE_LIVREE / (
OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT))) ,
CEIL(ROUND(SUM((STOCK_COMP_SOF_LG.QTE_U * STOCK_COMP_SOF_LG.QTE_LG *
STOCK_COMP_SOF_LG.QTE_LA) * (UNITE_SORTIE.COEFF_MULT / UNITE_ENTREE.COEFF_MULT) *
BIL_NSOF.COEFF * (BL_LG.QTE_LIVREE / (OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT))),9)) ,
UNITE_ENTREE.ABREV ,
COMPOSANT.CD_TYPE_UNITE,
0,
STOCK_COMP_EBL.N_LOT,
STOCK_COMP_EBL.N_CC,
STOCK_COMP_EBL.CD_STOCK_COMP_EBL AS CD_STOCK_ENTREE,
STOCK_COMP_EBL.N_IDENT,
STOCK_COMP_EBL.SITUATION,
STOCK_COMP_EBL.N_BL_ENTREE
FROM CLIENT , SOCIETE , EMPLOYE , C_CMD , C_CMD_LG , BL , BL_LG , STOCK_ARTI_SBL , STOCK_ARTI_EOF ,
BIL_NSOF , OFS OFS_PERE , STOCK_COMP_SOF , STOCK_COMP_SOF_LG , STOCK_COMP_EBL_LG ,
STOCK_COMP_EBL , ARTICLE , COMPOSANT , UNITE UNITE_SORTIE , UNITE UNITE_ENTREE
WHERE SOCIETE.CD_SOCIETE = C_CMD.CD_SOCIETE
AND EMPLOYE.CD_EMPLOYE (+) = C_CMD.CD_EMP_VALID
AND CLIENT.CD_CLIENT = C_CMD.CD_CLIENT
AND C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD
AND C_CMD_LG.CD_C_CMD = BL_LG.CD_C_CMD
AND C_CMD_LG.N_LIGNE = BL_LG.N_LIGNE
AND BL.CD_BL = BL_LG.CD_BL
AND BL_LG.CD_BL = STOCK_ARTI_SBL.CD_BL
AND BL_LG.NUM_LIGNE = STOCK_ARTI_SBL.NUM_LIGNE
AND STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF = STOCK_ARTI_SBL.CD_STOCK_ARTI_EOF
AND BIL_NSOF.CD_OFS_PERE = STOCK_ARTI_EOF.CD_OFS
AND OFS_PERE.CD_OFS = BIL_NSOF.CD_OFS_PERE
AND ARTICLE.CD_ARTICLE = OFS_PERE.CD_ARTICLE
AND STOCK_COMP_SOF.CD_OFS = BIL_NSOF.CD_OFS_FILS
AND STOCK_COMP_SOF.CD_STOCK_COMP_SOF = STOCK_COMP_SOF_LG.CD_STOCK_COMP_SOF
AND STOCK_COMP_EBL_LG.CD_STOCK_COMP_EBL = STOCK_COMP_SOF_LG.CD_STOCK_COMP_EBL
AND STOCK_COMP_EBL_LG.N_LIGNE = STOCK_COMP_SOF_LG.N_LIGNE
AND STOCK_COMP_EBL.CD_STOCK_COMP_EBL = STOCK_COMP_EBL_LG.CD_STOCK_COMP_EBL
AND ( COMPOSANT.CD_COMPOSANT = NVL(STOCK_COMP_EBL.CD_COMP_PROPRIETE,0) +
NVL(STOCK_COMP_EBL.CD_COMP_CLI,0) )
AND UNITE_SORTIE.CD_UNITE = STOCK_COMP_SOF.CD_UNITE
AND UNITE_ENTREE.CD_UNITE = STOCK_COMP_EBL.CD_UNITE
AND ( OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT ) > 0
GROUP BY
CLIENT.CD_CLIENT , EMPLOYE.NOM , EMPLOYE.PRENOM , SOCIETE.NOM , SOCIETE.ADR1 , SOCIETE.ADR2 ,
SOCIETE.BP , SOCIETE.CP , SOCIETE.VILLE , SOCIETE.PAYS , SOCIETE.N_TEL , SOCIETE.N_FAX ,
SOCIETE.E_MAIL , SOCIETE.SITE_WEB ,
ARTICLE.ID_ARTICLE , ARTICLE.REF , ARTICLE.LIBELLE ,
C_CMD.ID_C_CMD , C_CMD.ID_ANNEE , C_CMD_LG.N_LIGNE , C_CMD_LG.N_PO_CLI , C_CMD_LG.N_DOSSIER,
COMPOSANT.CD_COMPOSANT , COMPOSANT.ID_COMPOSANT , COMPOSANT.REF , COMPOSANT.LIBELLE ,
BL.CD_BL , BL.ID_BL , BL_LG.NUM_LIGNE , BL_LG.QTE_LIVREE ,
UNITE_ENTREE.ABREV ,
COMPOSANT.CD_TYPE_UNITE,
STOCK_COMP_EBL.N_LOT,
STOCK_COMP_EBL.N_CC,
STOCK_COMP_EBL.CD_STOCK_COMP_EBL,
STOCK_COMP_EBL.N_IDENT,
STOCK_COMP_EBL.SITUATION,
STOCK_COMP_EBL.N_BL_ENTREE
UNION ALL
SELECT
CLIENT.CD_CLIENT AS "CLIENT.CD_CLIENT" ,

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```
EMPLOYE.NOM AS "EMPLOYE.NOM",
EMPLOYE.PRENOM AS "EMPLOYE.PRENOM",
SOCIETE.NOM AS "SOCIETE.NOM",
SOCIETE.ADR1 AS "SOCIETE.ADR1",
SOCIETE.ADR2 AS "SOCIETE.ADR2",
SOCIETE.BP AS "SOCIETE.BP",
SOCIETE.CP AS "SOCIETE.CP",
SOCIETE.VILLE AS "SOCIETE.VILLE",
SOCIETE.PAYS AS "SOCIETE.PAYS",
SOCIETE.N_TEL AS "SOCIETE.N_TEL",
SOCIETE.N_FAX AS "SOCIETE.N_FAX",
SOCIETE.E_MAIL AS "SOCIETE.E_MAIL",
SOCIETE.SITE_WEB AS "SOCIETE.SITE_WEB",
ARTICLE_PERE.ID_ARTICLE AS "ARTICLE_PERE.ID_ARTICLE",
ARTICLE_PERE.REF AS "ARTICLE_PERE.REF",
ARTICLE_PERE.LIBELLE AS "ARTICLE_PERE.LIBELLE",
C_CMD.ID_C_CMD AS ID_C_CMD,
C_CMD.ID_ANNEE AS ID_ANNEE,
C_CMD_LG.N_LIGNE AS N_LIGNE,
C_CMD_LG.N_PO_CLI AS N_POSTE,
C_CMD_LG.N_DOSSIER,
'ST' AS TYPE_FOURNITURE ,
ARTICLE.CD_ARTICLE AS CD_FOURNITURE ,
ARTICLE.ID_ARTICLE AS ID_FOURNITURE ,
'REF: '||ARTICLE.REF||' // ST: '||FOURN_ST.NOM||' // CMDE:
'||S_CMD.ID_ANNEE||'/'||TRIM(S_CMD.ID_S_CMD)||'/'||S_CMD_LG.N_LIGNE||' // STCE: '||STCE_FAMILLE.LIBELLE AS
REF_FOURNITURE,
ARTICLE.LIBELLE AS LIBELLE_FOURNITURE,
BL.CD_BL AS "BL.CD_BL",
BL.ID_BL AS "BL.ID_BL",
BL_LG.NUM_LIGNE AS "BL_LG.NUM_LIGNE",
BL_LG.QTE_LIVREE AS "BL_LG.QTE_LIVREE",
S_BL_LG.QTE_LIVREE AS QTE_CONSOMMEE_REEL,
S_BL_LG.QTE_LIVREE AS QTE_CONSOMMEE_ARRONDI_SUPP,
'U' AS UNITE_ABREV ,
1 AS CD_TYPE_UNITE ,
DECODE(BIL_NSOF.CD_OFS_FILS,BIL_NSOF.CD_OFS_PERE,1,0) AS ARTICLE_PERE ,
S_BL_LG.N_LOT AS N_LOT,
S_BL_LG.N_CC AS N_CC,
STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF AS CD_STOCK_ENTREE,
NULL AS N_IDENT,
STOCK_ARTI_EOF.SITUATION AS SITUATION,
S_BL.N_BL AS N_BL_ENTREE
FROM CLIENT ,
    SOCIETE ,
    EMPLOYE ,
    C_CMD ,
    C_CMD_LG ,
    BL ,
    BL_LG ,
    STOCK_ARTI_SBL ,
    STOCK_ARTI_EOF ,
    OFS OFS_FILS ,
    ARTICLE ,
    ARTICLE ARTICLE_PERE ,
    BIL_NSOF ,
    OFS OFS_PERE,
        OFS_PHASE,
        S_CMD_LG,
        S_CMD,
        FOURN_ST,
        S_BL_LG,
        S_BL,
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OFS_STCE,
STCE_FAMILLE

WHERE SOCIETE.CD_SOCIETE = C_CMD.CD_SOCIETE
AND EMPLOYE.CD_EMPLOYE (+) = C_CMD.CD_EMP_VALID
AND CLIENT.CD_CLIENT = C_CMD.CD_CLIENT
AND C_CMD.CD_C_CMD = C_CMD_LG.CD_C_CMD
AND C_CMD_LG.CD_C_CMD = BL_LG.CD_C_CMD
AND C_CMD_LG.N_LIGNE = BL_LG.N_LIGNE
AND BL.CD_BL = BL_LG.CD_BL
AND BL_LG.CD_BL = STOCK_ARTI_SBL.CD_BL
AND BL_LG.NUM_LIGNE = STOCK_ARTI_SBL.NUM_LIGNE
AND STOCK_ARTI_EOF.CD_STOCK_ARTI_EOF = STOCK_ARTI_SBL.CD_STOCK_ARTI_EOF
AND BIL_NSOF.CD_OFS_PERE = STOCK_ARTI_EOF.CD_OFS
AND OFS_FILS.CD_OFS = BIL_NSOF.CD_OFS_FILS
AND OFS_PERE.CD_OFS = BIL_NSOF.CD_OFS_PERE
AND ARTICLE.CD_ARTICLE = OFS_FILS.CD_ARTICLE
AND ARTICLE_PERE.CD_ARTICLE = OFS_PERE.CD_ARTICLE
AND ( OFS_PERE.QTE_LANCEE - OFS_PERE.QTE_REBUT ) > 0
AND OFS_FILS.CD_OFS = OFS_PHASE.CD_OFS
AND OFS_FILS.CD_GAMME = OFS_PHASE.CD_GAMME
AND OFS_FILS.N_LIEN = OFS_PHASE.N_LIEN
AND OFS_PHASE.CD_OFS = S_CMD_LG.CD_OFS (+)
AND OFS_PHASE.CD_GAMME = S_CMD_LG.CD_GAMME (+)
AND OFS_PHASE.N_LIEN = S_CMD_LG.N_LIEN (+)
AND OFS_PHASE.CD_PHASE = S_CMD_LG.CD_PHASE (+)
AND OFS_PHASE.CD_STCE = OFS_STCE.CD_OFS_STCE (+)
AND OFS_STCE.CD_STCE_FAMILLE = STCE_FAMILLE.CD_STCE_FAMILLE (+)
AND S_CMD_LG.CD_S_CMD = S_CMD.CD_S_CMD
AND S_CMD.CD_FOURN_ST = FOURN_ST.CD_FOURN_ST
AND S_CMD_LG.CD_S_CMD = S_BL_LG.CD_S_CMD
AND S_CMD_LG.N_LIGNE = S_BL_LG.N_LIGNE
AND S_BL_LG.CD_S_BL = S_BL.CD_S_BL
AND S_CMD.INACTIF = 0
```