



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
[BTBC-002924]
 Machine Id
VOLVO L120G T6033
 Component
Diesel Engine
 Fluid
TOTAL FINA QUARTS 9000 5W40 (--- GAL)

RECOMMENDATION

Vérifier le niveau du fluide de refroidissement. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP380245	VCP335189	VCP280505
Sample Date		Client Info		29 Jun 2023	24 May 2022	16 Aug 2021
Machine Age	hrs	Client Info		15480	14115	13292
Oil Age	hrs	Client Info		0	0	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	NORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>200	76	47	45
Chromium	ppm	ASTM D5185(m)	>20	2	2	2
Nickel	ppm	ASTM D5185(m)	>5	1	1	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	20	▲ 12	10
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>20	8	6	4
Tin	ppm	ASTM D5185(m)	>20	1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

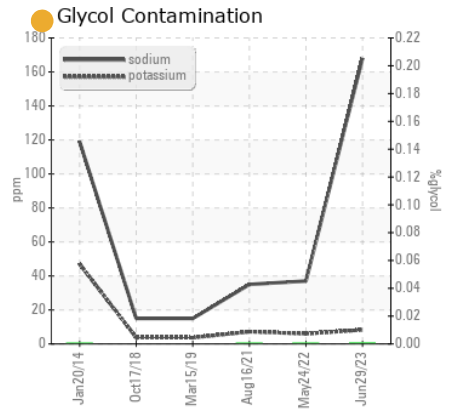
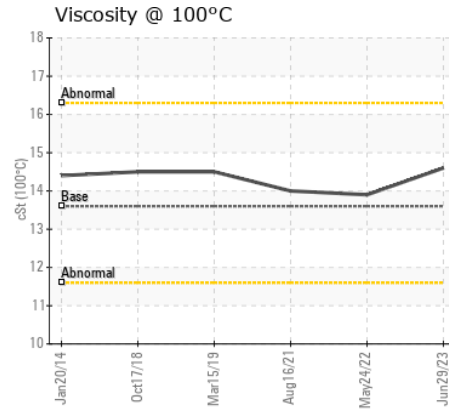
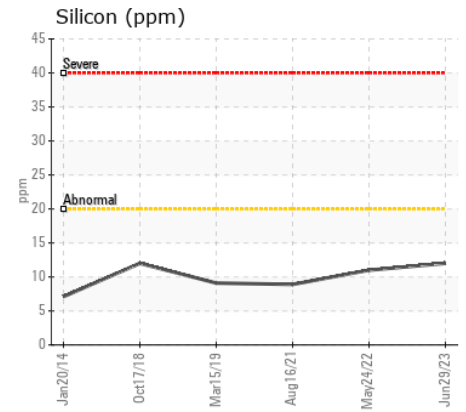
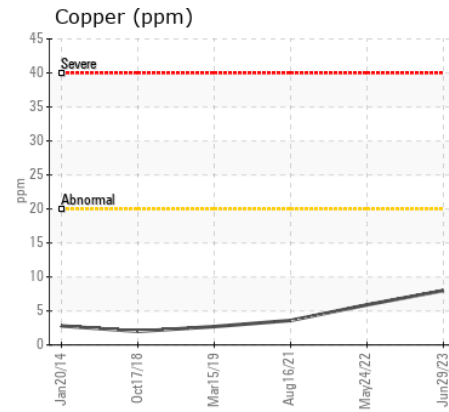
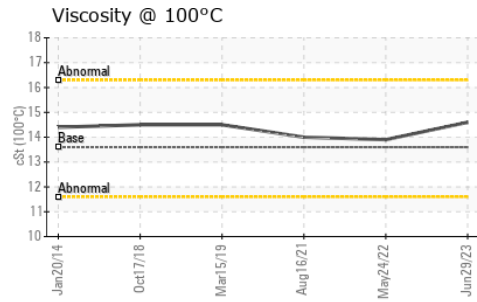
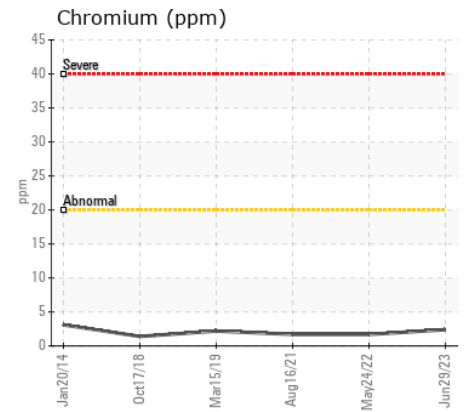
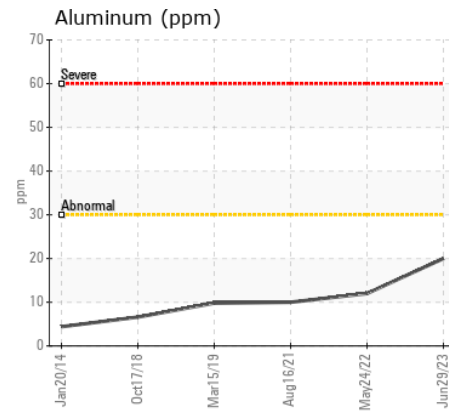
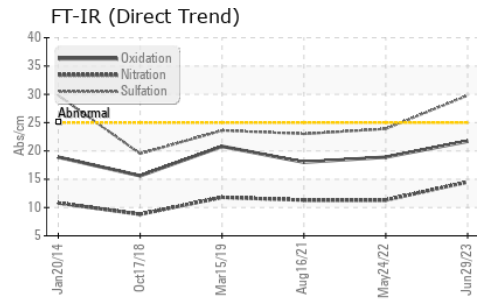
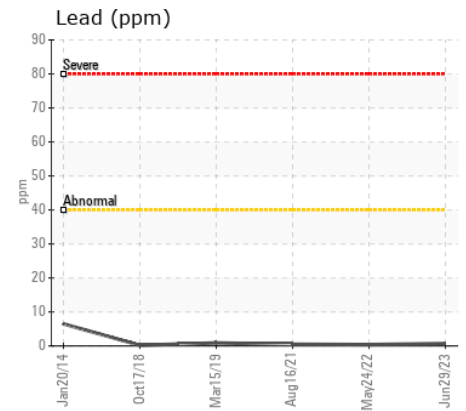
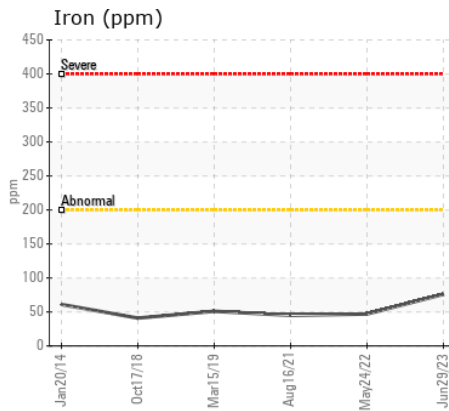
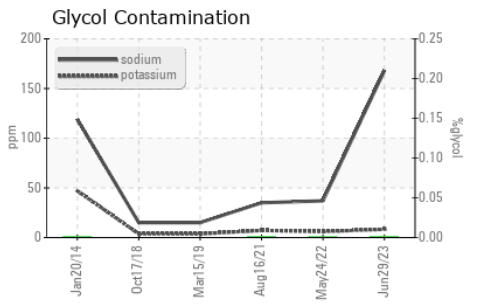
Des produits de traitement de l'eau sont présents, ce qui indique une fuite lente de fluide de refroidissement. Le test de glycol est négatif. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	12	11	9
Potassium	ppm	ASTM D5185(m)	>20	8	6	7
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	0.0	0.0
Soot %	%	ASTM D7844*	>3	2.6	0.6	0.9
Nitration	Abs/cm	ASTM D7624*	>20	14.5	11.3	11.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	29.8	23.9	23.0
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service (voir recommandation).

Sodium	ppm	ASTM D5185(m)		● 168	37	35
Boron	ppm	ASTM D5185(m)		26	43	27
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		60	56	63
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		1027	1041	1174
Calcium	ppm	ASTM D5185(m)		1322	1133	937
Phosphorus	ppm	ASTM D5185(m)		1196	1102	1084
Zinc	ppm	ASTM D5185(m)		1370	1315	1274
Sulfur	ppm	ASTM D5185(m)		2916	2950	2887
Oxidation	Abs/.1mm	ASTM D7414*	>25	21.7	18.9	18.0
Visc @ 100°C	cSt	ASTM D7279(m)	13.6	14.6	13.9	14.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP380245 **Received** : 07 Jul 2023
Lab Number : 02568496 **Tested** : 07 Jul 2023
Unique Number : 5605542 **Diagnosed** : 10 Jul 2023 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.