



VOLVO

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
12-04
Component
Diesel Engine
Fluid
TOTAL FINA QUARTS 9000 5W40 (--- GAL)

RECOMMENDATION

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		VCP273709	VCP213089	---
Sample Date		Client Info		03 Aug 2023	20 Dec 2018	---
Machine Age	hrs	Client Info		3563	2403	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				SEVERE	ABNORMAL	---

WEAR

La présence d'argent est anormale. Usure de piston.

Iron	ppm	ASTM D5185(m)	>100	63	14	---
Chromium	ppm	ASTM D5185(m)	>20	2	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	---
Titanium	ppm	ASTM D5185(m)		<1	0	---
Silver	ppm	ASTM D5185(m)	>3	▲ 3	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	▲ 44	10	---
Lead	ppm	ASTM D5185(m)	>40	1	<1	---
Copper	ppm	ASTM D5185(m)	>330	7	3	---
Tin	ppm	ASTM D5185(m)	>15	<1	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

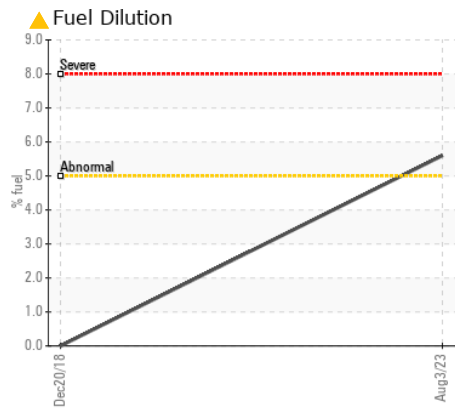
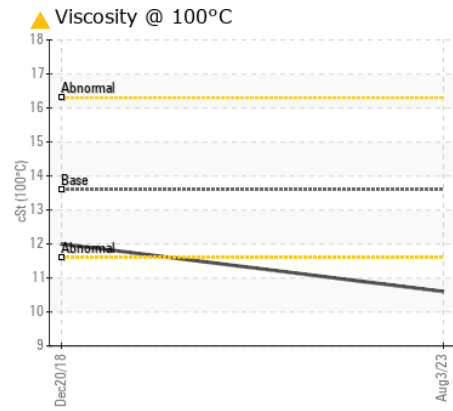
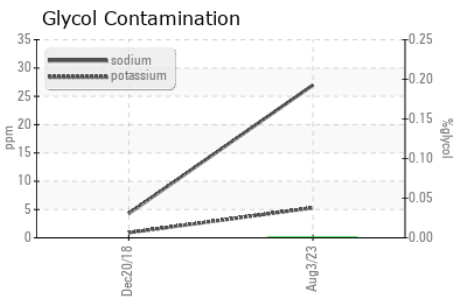
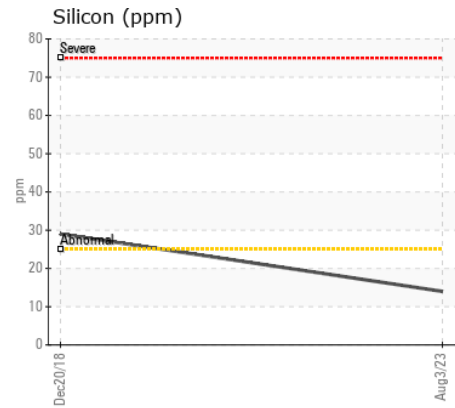
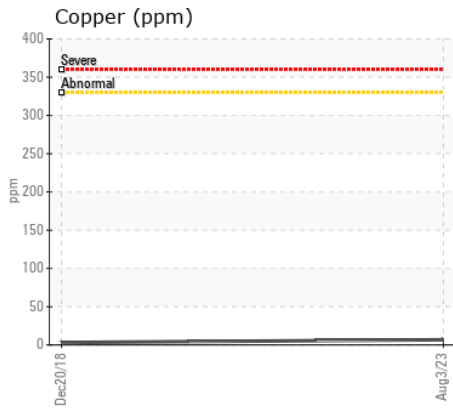
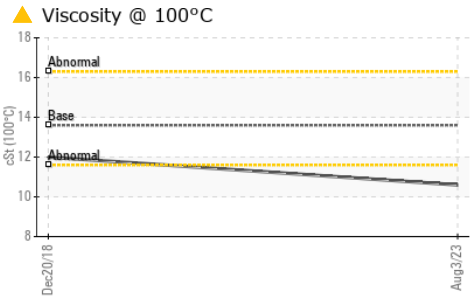
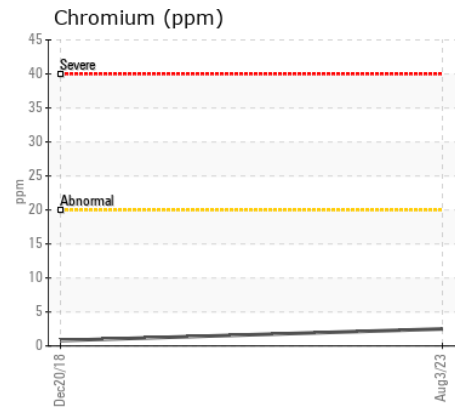
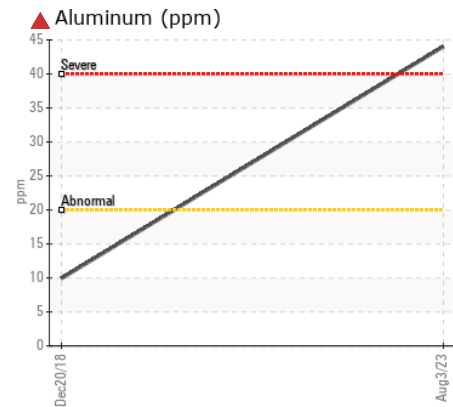
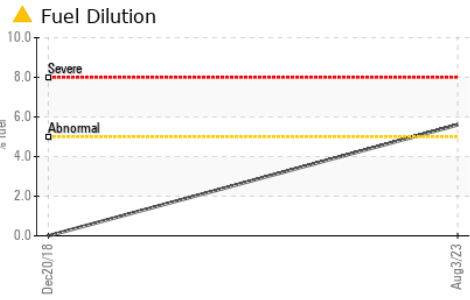
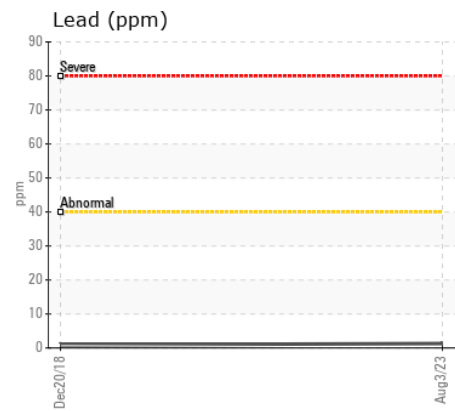
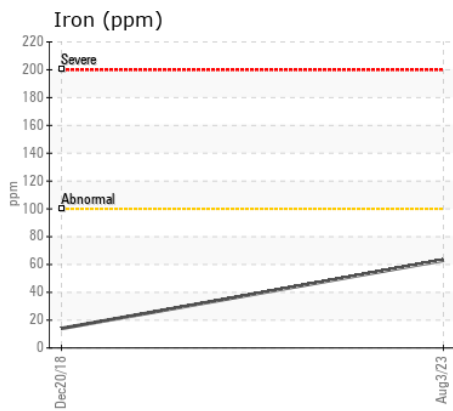
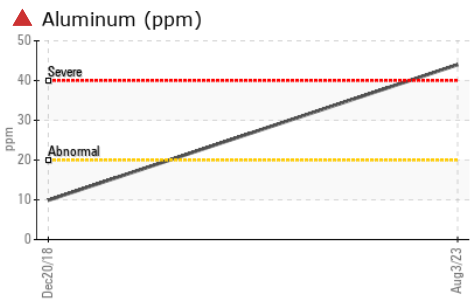
Quantité modérée de carburant dans l'huile. Les tests confirment la présence de carburant dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	14	▲ 29	---
Potassium	ppm	ASTM D5185(m)	>20	5	<1	---
Fuel	%	ASTM D7593*	>5	▲ 5.6	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol	%	ASTM D7922*		0.0	NEG	---
Soot %	%	ASTM D7844*	>3	0.1	0	---
Nitration	Abs/cm	ASTM D7624*	>20	11.9	8.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.6	19.6	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

Il y a du carburant dans l'huile, ce qui réduit la viscosité. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		27	4	---
Boron	ppm	ASTM D5185(m)		22	40	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		58	58	---
Manganese	ppm	ASTM D5185(m)		2	<1	---
Magnesium	ppm	ASTM D5185(m)		1059	1002	---
Calcium	ppm	ASTM D5185(m)		784	857	---
Phosphorus	ppm	ASTM D5185(m)		1026	965	---
Zinc	ppm	ASTM D5185(m)		1142	1168	---
Sulfur	ppm	ASTM D5185(m)		2672	2791	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.2	17.1	---
Visc @ 100°C	cSt	ASTM D7279(m)	13.6	▲ 10.6	12.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP273709 **Received** : 14 Aug 2023
Lab Number : 02575672 **Tested** : 15 Aug 2023
Unique Number : 5620723 **Diagnosed** : 15 Aug 2023 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, Glycol, PercentFuel)

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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.