



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(345481)
Machine Id
128862-1216
Component
Diesel Engine
Fluid
PETRO CANADA SUPREME 5W30 (32 LTR)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0282638	LH0284339	LH
Sample Date		Client Info		23 Apr 2024	06 Feb 2024	20 Oct 2023
Machine Age	hrs	Client Info		5485	5027	2460
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	3	3	2
Chromium	ppm	ASTM D5185(m)	>5	0	<1	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>15	1	1	<1
Lead	ppm	ASTM D5185(m)	>30	0	0	1
Copper	ppm	ASTM D5185(m)	>125	<1	2	2
Tin	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

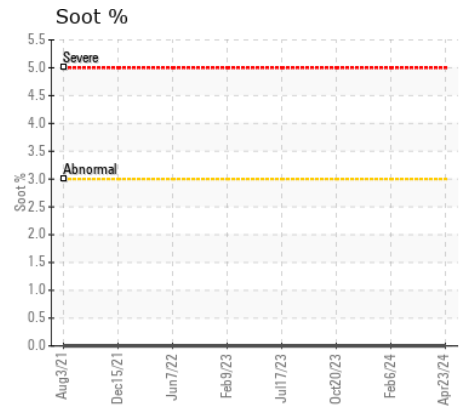
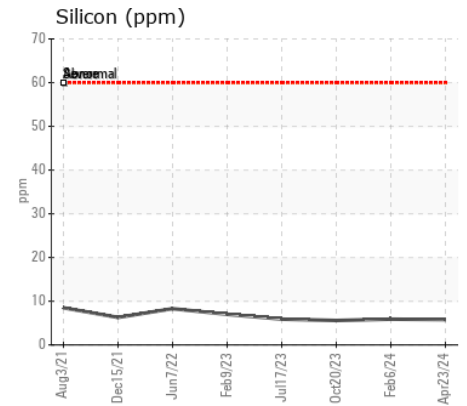
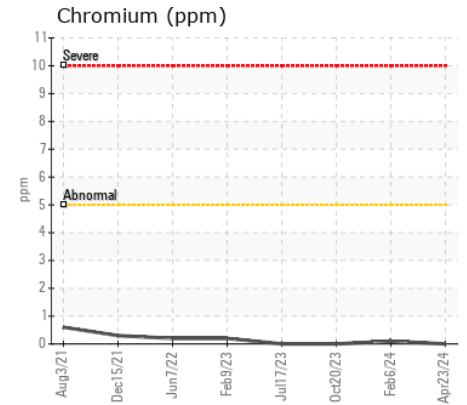
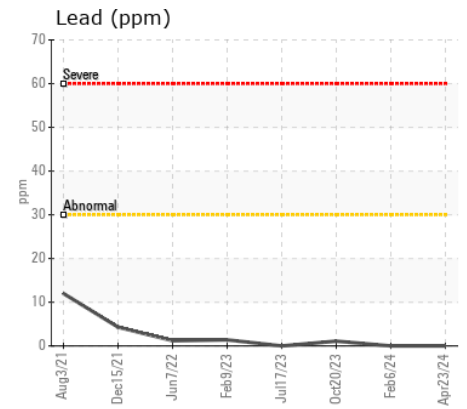
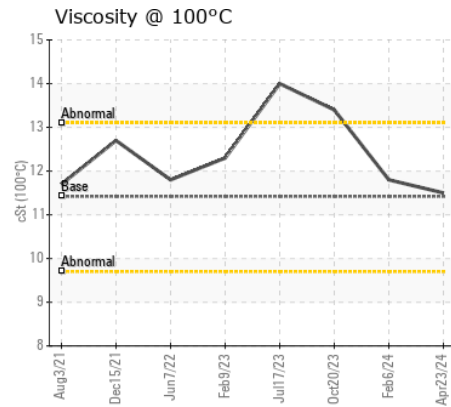
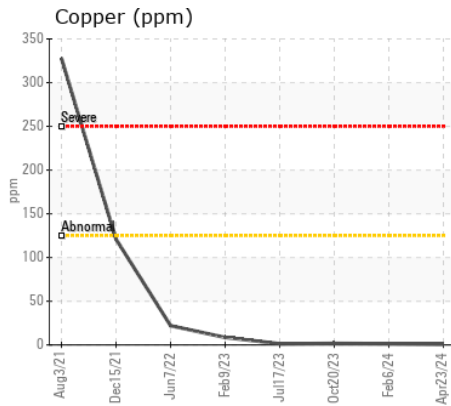
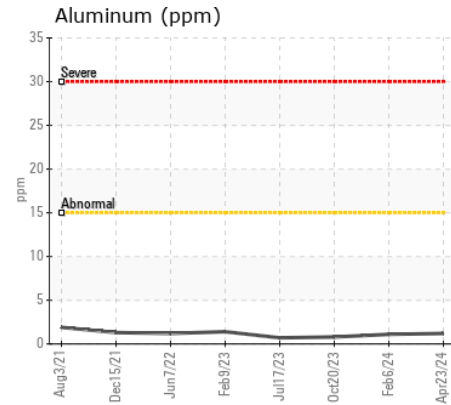
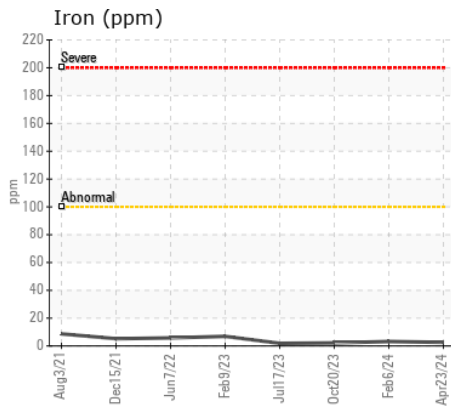
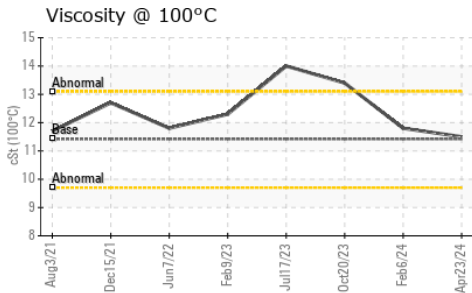
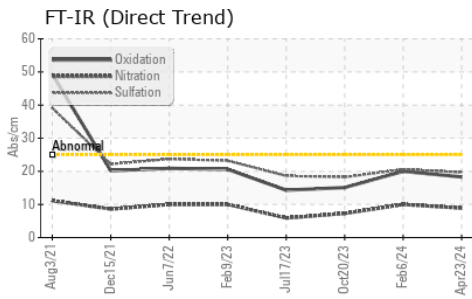
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>60	6	6	6
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	8.9	10.0	7.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	20.6	18.2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		4	4	1
Boron	ppm	ASTM D5185(m)	186	42	32	2
Barium	ppm	ASTM D5185(m)	<1	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	79	57	54	56
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	578	1097	1082	916
Calcium	ppm	ASTM D5185(m)	1002	811	858	1009
Phosphorus	ppm	ASTM D5185(m)	745	995	1055	964
Zinc	ppm	ASTM D5185(m)	837	1191	1211	1143
Sulfur	ppm	ASTM D5185(m)	2502	2732	2997	2480
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.3	20.0	15.1
Visc @ 100°C	cSt	ASTM D7279(m)	11.42	11.5	11.8	13.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0282638 **Received** : 25 Apr 2024
Lab Number : 02631259 **Tested** : 25 Apr 2024
Unique Number : 5772412 **Diagnosed** : 25 Apr 2024 - Wes Davis
Test Package : MOB 1

American Iron and Metal
 10171 AVE PELLETIER
 MONTREAL-NORD, QC
 CA H1H 3R2
 Contact: Allen Singerman

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.

T:
F: