



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L556 053565-1332
Component
Diesel Engine
Fluid
PETRO CANADA SUPREME 5W30 (30 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		LH	LH	LH
Sample Date		Client Info		12 Jan 2024	08 Dec 2023	15 Sep 2023
Machine Age	hrs	Client Info		16000	15500	15000
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	2	4	4
Chromium	ppm	ASTM D5185(m)	>5	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>15	2	2	1
Lead	ppm	ASTM D5185(m)	>30	0	<1	0
Copper	ppm	ASTM D5185(m)	>125	<1	2	1
Tin	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

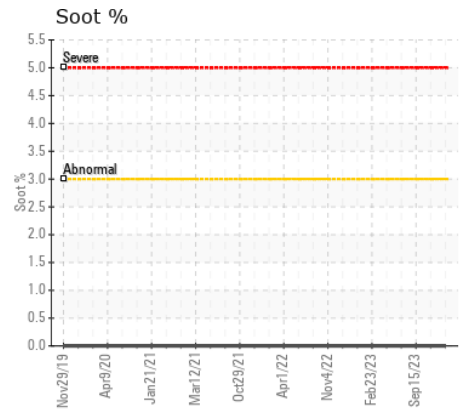
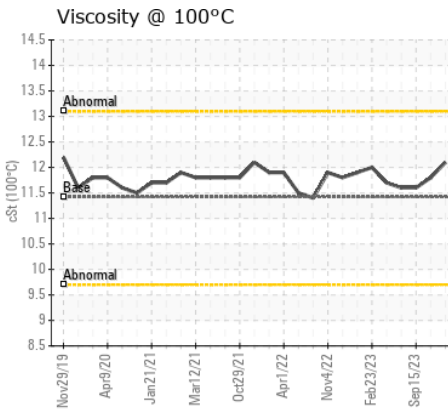
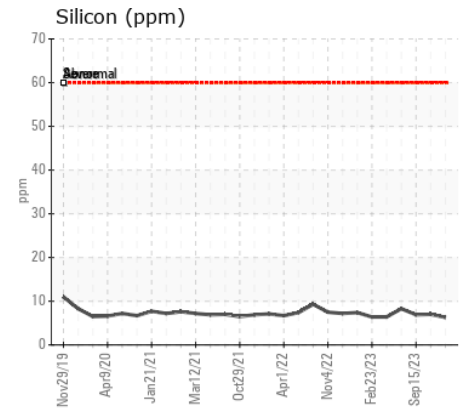
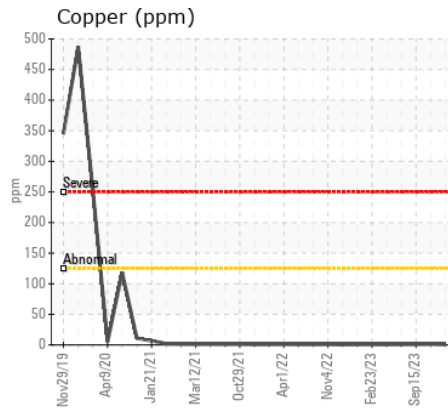
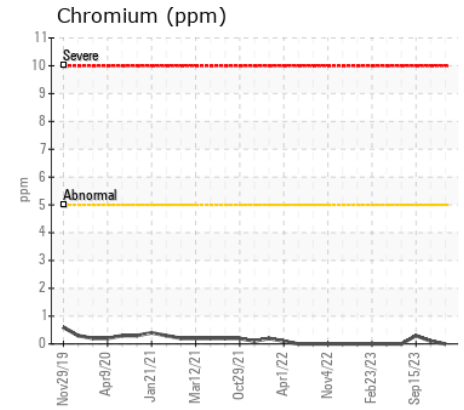
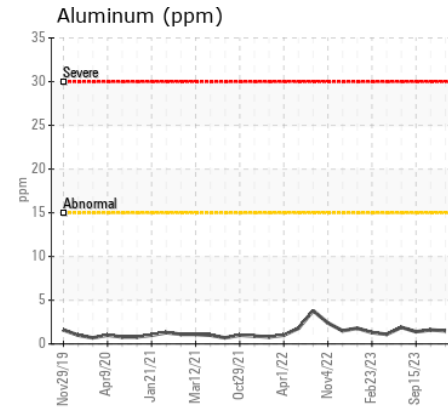
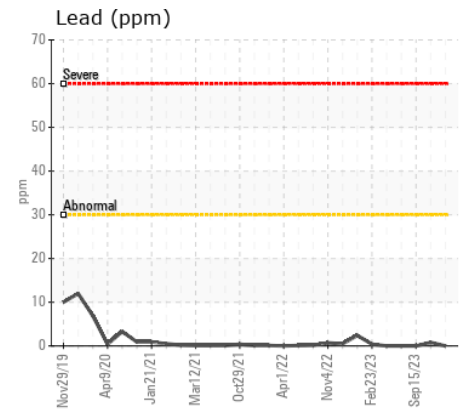
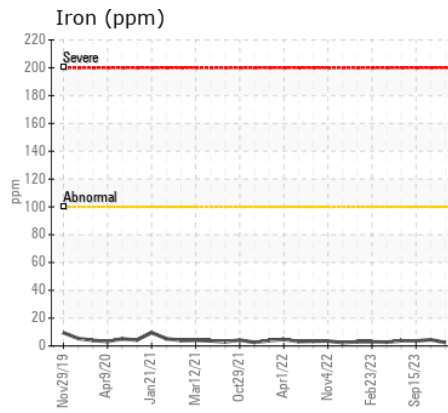
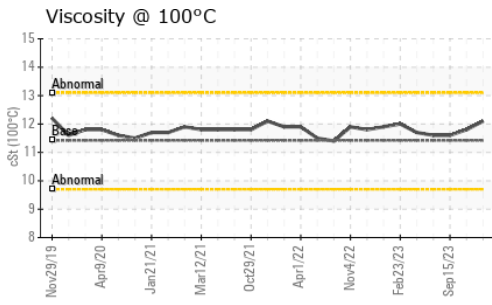
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>60	6	7	7
Potassium	ppm	ASTM D5185(m)	>20	<1	0	3
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	8.6	10.1	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.7	21.8	19.6
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	5	4
Boron	ppm	ASTM D5185(m)	186	43	24	30
Barium	ppm	ASTM D5185(m)	<1	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	79	61	58	58
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	578	1146	1149	1111
Calcium	ppm	ASTM D5185(m)	1002	851	831	806
Phosphorus	ppm	ASTM D5185(m)	745	1067	1008	1062
Zinc	ppm	ASTM D5185(m)	837	1235	1224	1189
Sulfur	ppm	ASTM D5185(m)	2502	3150	2760	2854
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.2	22.3	18.8
Visc @ 100°C	cSt	ASTM D7279(m)	11.42	12.1	11.8	11.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH **Received** : 17 Jan 2024
Lab Number : 02609177 **Diagnosed** : 17 Jan 2024
Unique Number : 5710263 **Diagnostician** : Wes Davis
Test Package : MOB 1

NEXOLIA, CHAPAIS ENERGIE SEC
 140 RUE DE LA CONGENERATION
 CHAPAIS, QC
 CA G0W 1H0
 Contact: Carl Adams

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.

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