



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH80M 122402-1218

Component
Splitter Box

Fluid
PETRO CANADA TRAXON 75W90 SYNTHETIC (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Confirm the source of the lubricant being utilized for top-up/fill. 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		LH0279418	LH0274207	LH0242937
Sample Date		Client Info		23 Dec 2023	21 Oct 2023	19 Aug 2023
Machine Age	hrs	Client Info		9463	8989	8585
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		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Nous avons noté une hausse du taux d'aluminium. Les taux d'usure de tous les autres composants sont normaux.

Iron	ppm	ASTM D5185(m)	>100	54	32	31
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	10	<1	<1
Lead	ppm	ASTM D5185(m)	>30	<1	0	0
Copper	ppm	ASTM D5185(m)	>20	2	1	1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

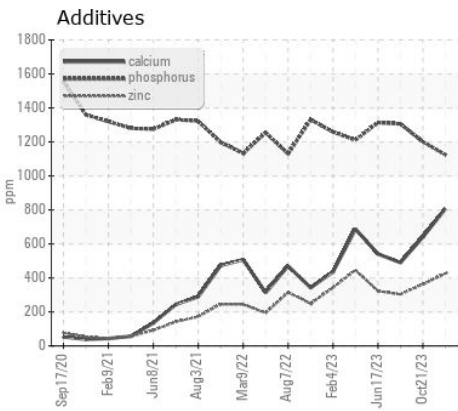
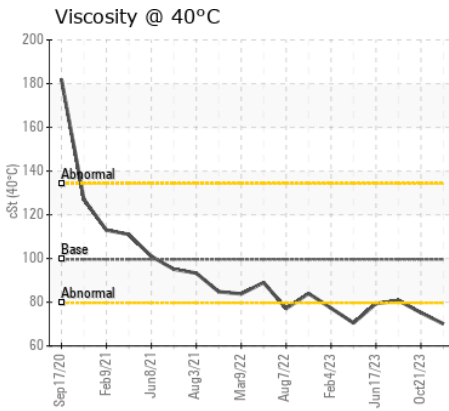
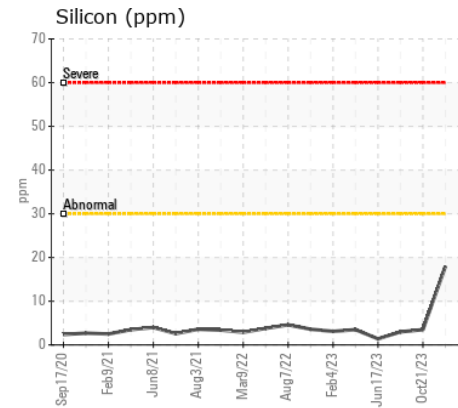
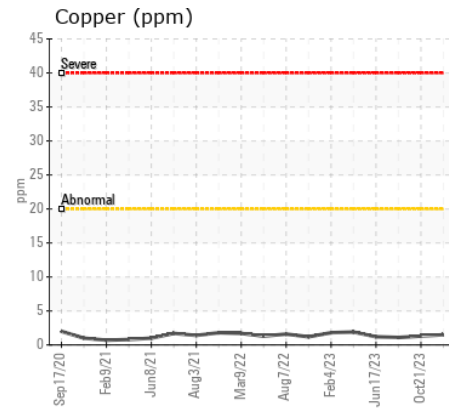
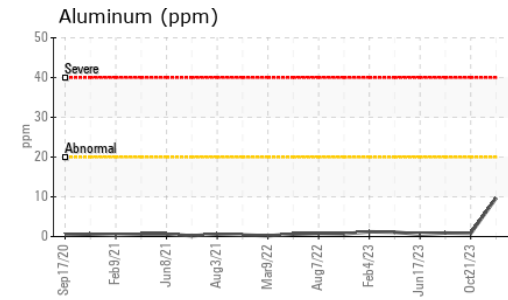
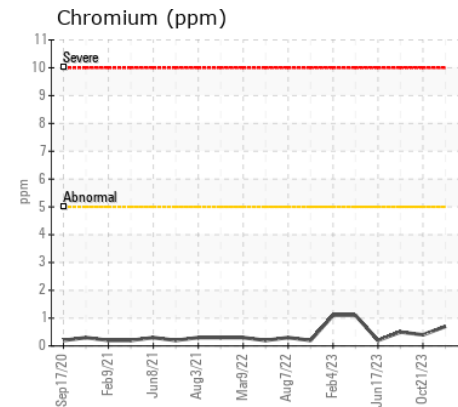
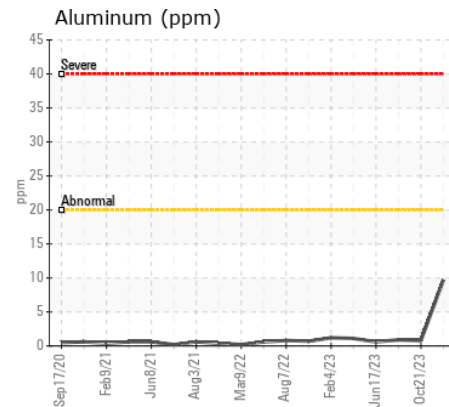
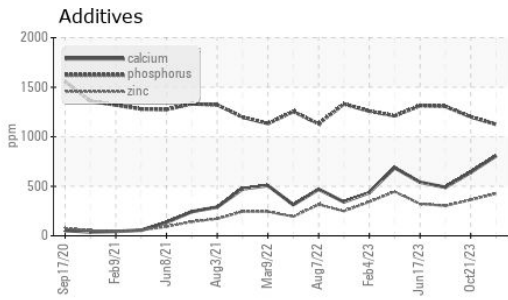
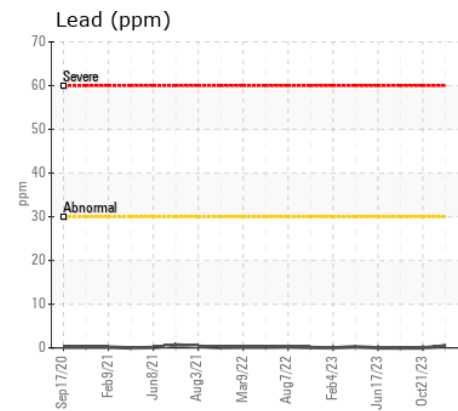
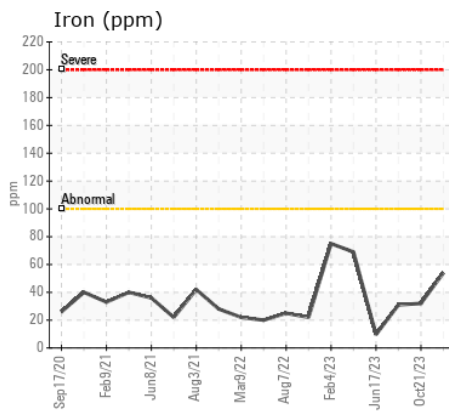
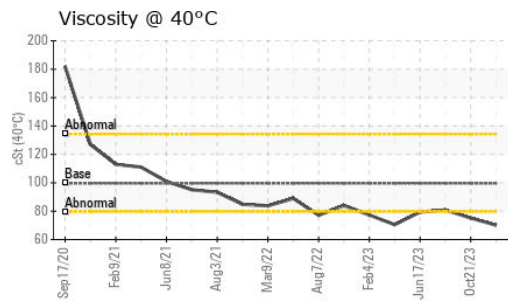
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	18	4	3
Potassium	ppm	ASTM D5185(m)	>20	19	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	LIGHT	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)	>25	1	1	<1
Boron	ppm	ASTM D5185(m)	328	109	139	165
Barium	ppm	ASTM D5185(m)	1	0	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1	10	8	7
Calcium	ppm	ASTM D5185(m)	7	807	641	490
Phosphorus	ppm	ASTM D5185(m)	1145	1125	1201	1306
Zinc	ppm	ASTM D5185(m)	3	426	363	303
Sulfur	ppm	ASTM D5185(m)	17909	14098	15777	16784
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	70.1	75.2	80.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ARCELORMITTAL LONG PRODUITS CANADA
Sample No. : LH0279418 **Received** : 10 Jan 2024 3185 ROUTE MARIE-VICTORIN
Lab Number : 02607910 **Diagnosed** : 11 Jan 2024 CONTRECOEUR, QC
Unique Number : 5708996 **Diagnostician** : Kevin Marson CA J0L 1C0
Test Package : MOB 1

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