



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**LIEBHERR LH80M 120282-1218**

Component  
**Splitter Box**

Fluid  
**PETRO CANADA TRAXON 75W90 SYNTHETIC (6 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		<b>LH0279393</b>	LH0280266	LH0270040
Sample Date		Client Info		<b>12 Jan 2024</b>	02 Dec 2023	27 Sep 2023
Machine Age	hrs	Client Info		<b>12934</b>	12550	11869
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

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

Iron	ppm	ASTM D5185(m)	>100	<b>44</b>	98	▲ 207
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	3
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	3	5
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185(m)	>20	<b>13</b>	▲ 28	▲ 52
Tin	ppm	ASTM D5185(m)	>10	<b>1</b>	1	3
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

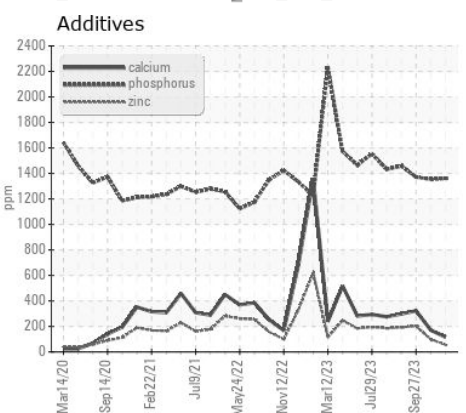
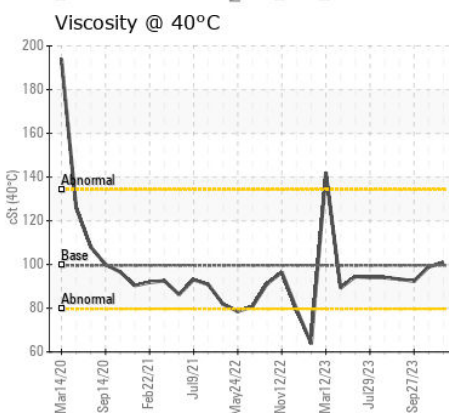
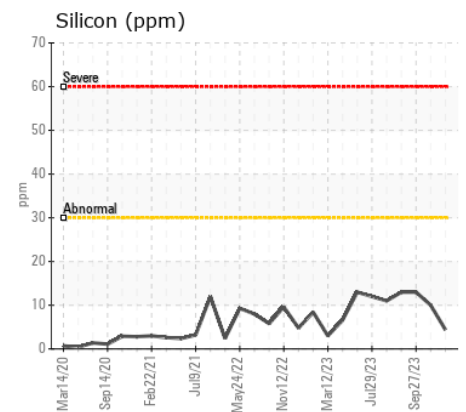
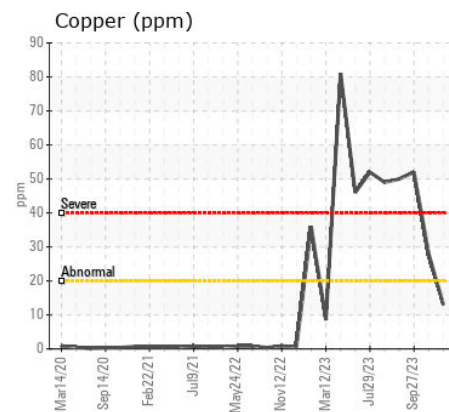
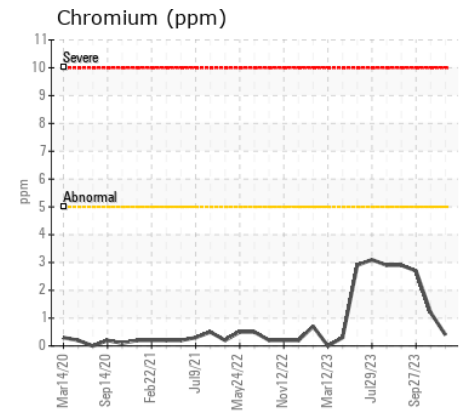
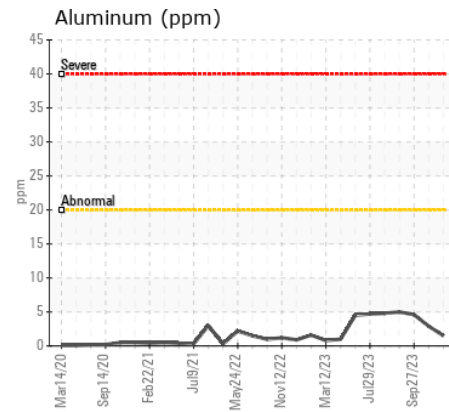
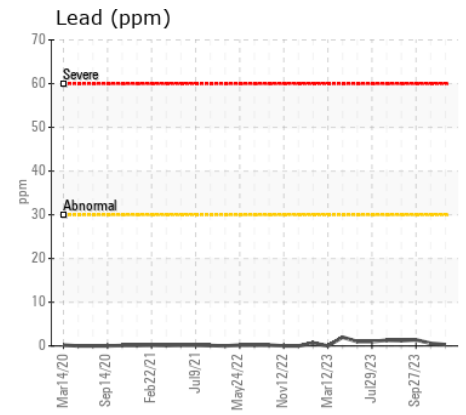
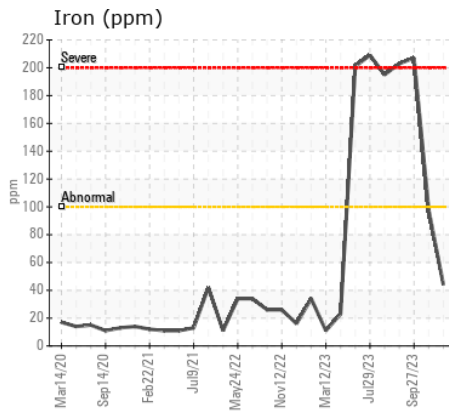
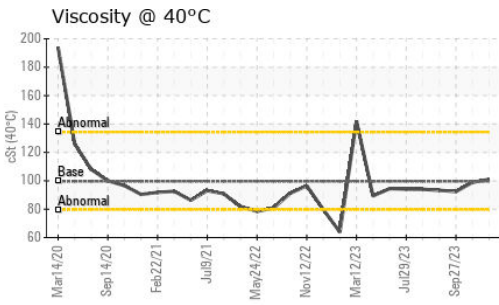
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	<b>4</b>	10	13
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	2
Boron	ppm	ASTM D5185(m)	328	<b>254</b>	256	192
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	2
Magnesium	ppm	ASTM D5185(m)	1	<b>2</b>	3	5
Calcium	ppm	ASTM D5185(m)	7	<b>117</b>	171	323
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1361</b>	1354	1371
Zinc	ppm	ASTM D5185(m)	3	<b>57</b>	99	204
Sulfur	ppm	ASTM D5185(m)	17909	<b>21026</b>	21686	19735
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>101</b>	98.9	92.4



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ARCELORMITTAL LONG PRODUITS CANADA  
**Sample No.** : LH0279393 **Received** : 16 Jan 2024 3185 ROUTE MARIE-VICTORIN  
**Lab Number** : 02609071 **Diagnosed** : 16 Jan 2024 CONTRECOEUR, QC  
**Unique Number** : 5710157 **Diagnostician** : Wes Davis CA J0L 1C0  
**Test Package** : MOB 1 Contact: Danny Drouin  
 danny.drouin@arcelormittal.com

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: