



# LIEBHERR

## OIL ANALYSIS REPORT

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



Area  
**PREVERCO**  
Machine Id  
**LIEBHERR LH26M 117601-1252**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA 15W40 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0290712</b>	LH0277296	LH0238970
Sample Date		Client Info		<b>04 Jun 2024</b>	12 Jan 2024	08 Nov 2022
Machine Age	hrs	Client Info		<b>14717</b>	13518	10156
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>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>21</b>	8	5
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>15	<b>2</b>	1	<1
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>125	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

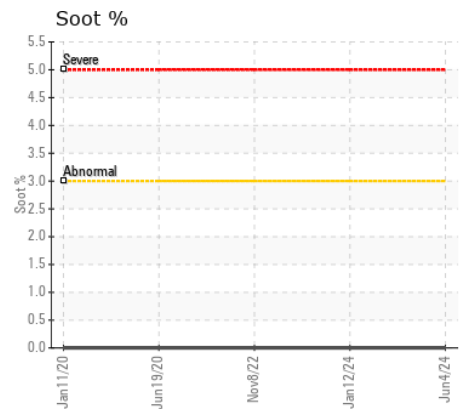
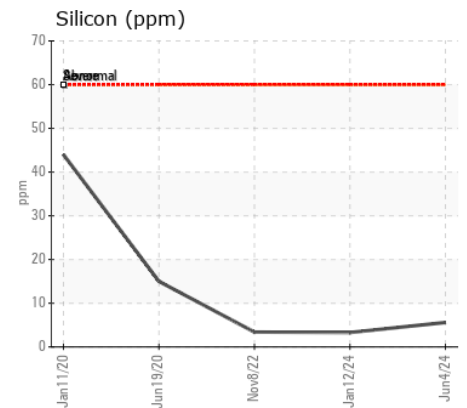
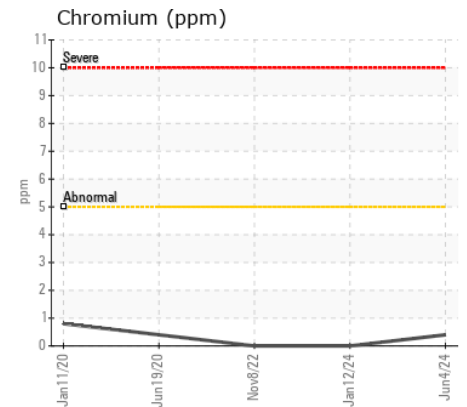
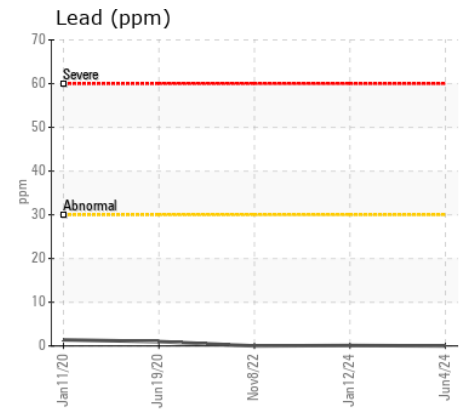
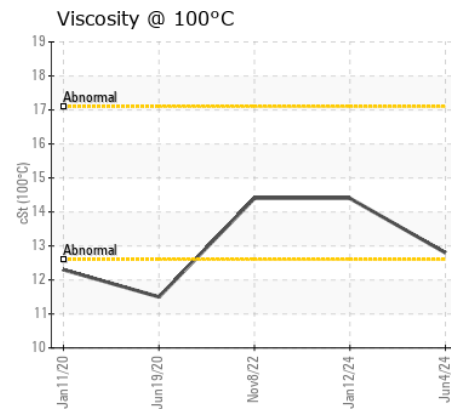
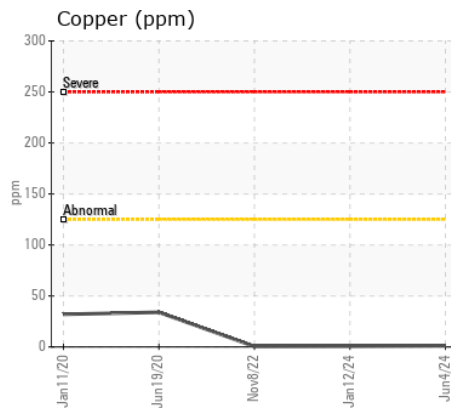
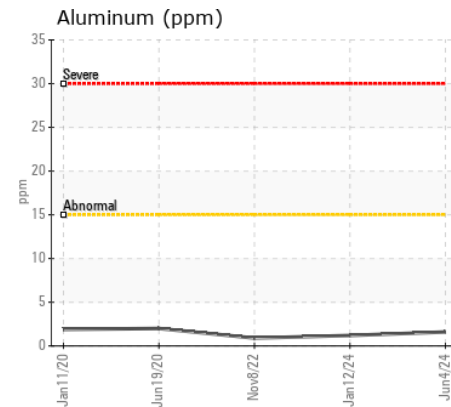
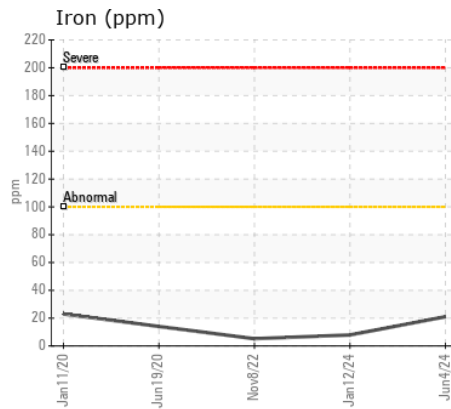
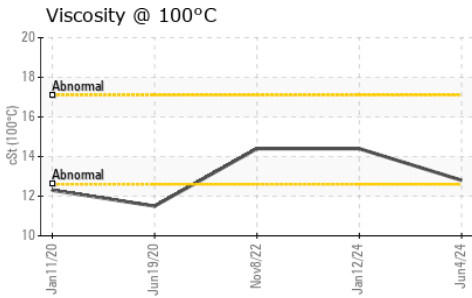
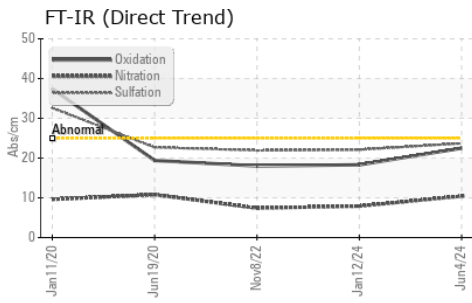
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>60	<b>6</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	8	7
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.4</b>	7.9	7.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.7</b>	22.1	21.9
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	2	2
Boron	ppm	ASTM D5185(m)		<b>44</b>	150	153
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>45</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>809</b>	13	11
Calcium	ppm	ASTM D5185(m)		<b>1466</b>	2344	2273
Phosphorus	ppm	ASTM D5185(m)		<b>1044</b>	998	1041
Zinc	ppm	ASTM D5185(m)		<b>1343</b>	1199	1151
Sulfur	ppm	ASTM D5185(m)		<b>2831</b>	3107	3012
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>22.5</b>	18.3	18.0
Visc @ 100°C	cSt	ASTM D7279(m)		<b>12.8</b>	14.4	14.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0290712  
**Lab Number** : 02642272  
**Unique Number** : 5799811  
**Test Package** : MOB 1  
**Received** : 17 Jun 2024  
**Tested** : 18 Jun 2024  
**Diagnosed** : 18 Jun 2024 - Wes Davis

**PREVERCO INC**  
 285 DE ROTTERDAM  
 ST-AUGUSTIN-DE-DESMAURES, QC  
 CA G3A 2E5  
 Contact: SERVICE

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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F: