



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR LH26M 124532-1252**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA 10W40 (20 LTR)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0226605</b>	LH0181004	LH0240687
Sample Date		Client Info		<b>09 Jun 2023</b>	10 Jan 2023	06 Sep 2022
Machine Age	hrs	Client Info		<b>3671</b>	3035	2544
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>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>16</b>	12	15
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>15	<b>1</b>	2	1
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185(m)	>125	<b>2</b>	3	7
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

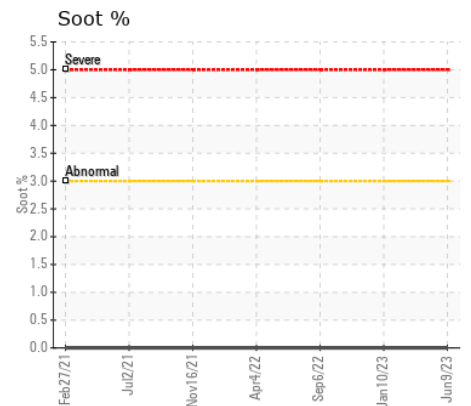
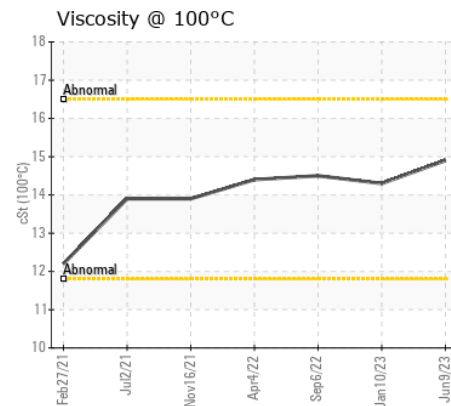
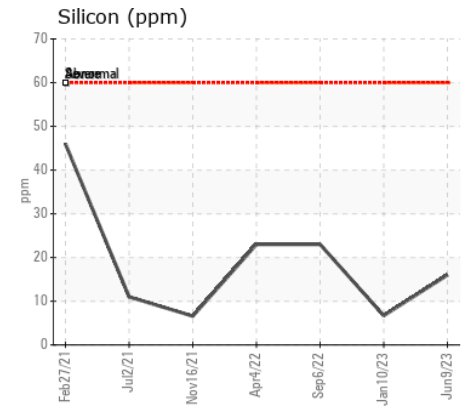
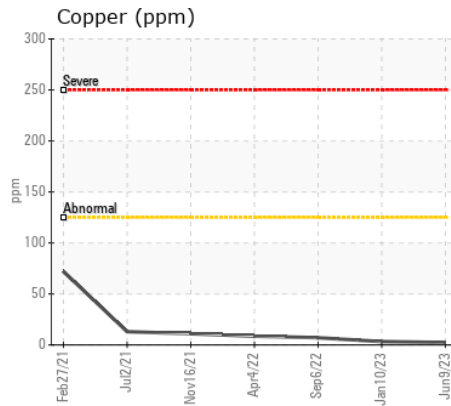
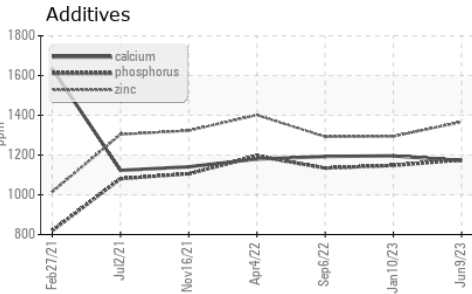
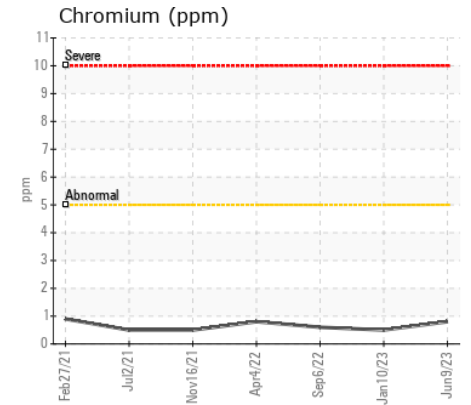
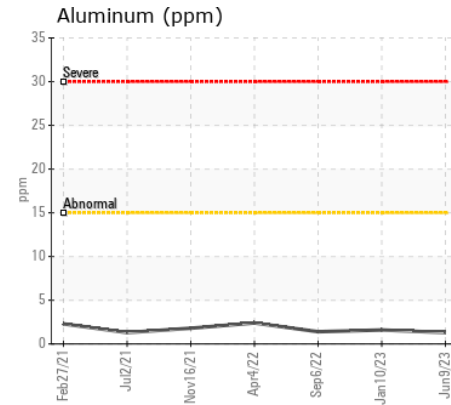
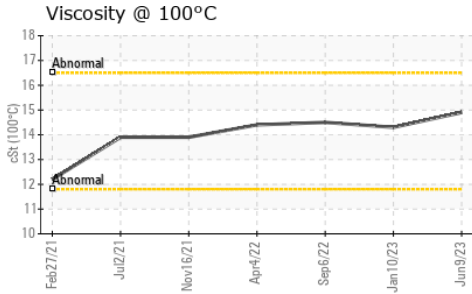
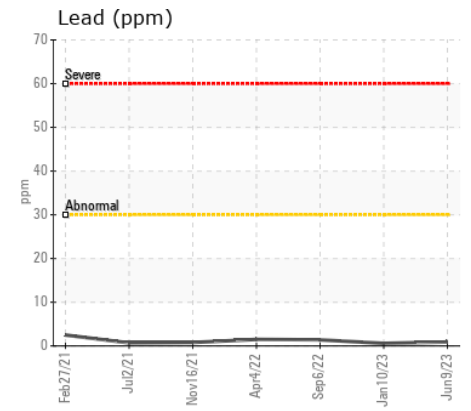
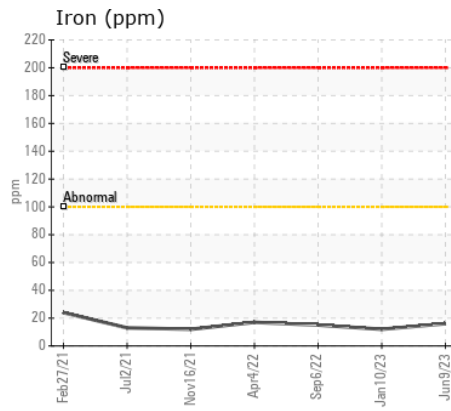
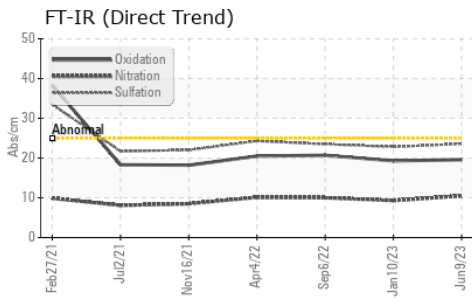
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>60	<b>16</b>	7	23
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
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>10.5</b>	9.3	10.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.6</b>	22.8	23.5
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)	>20	<b>7</b>	2	3
Boron	ppm	ASTM D5185(m)		<b>1</b>	1	1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>60</b>	63	63
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>1094</b>	1052	1045
Calcium	ppm	ASTM D5185(m)		<b>1172</b>	1196	1193
Phosphorus	ppm	ASTM D5185(m)		<b>1175</b>	1148	1134
Zinc	ppm	ASTM D5185(m)		<b>1367</b>	1294	1292
Sulfur	ppm	ASTM D5185(m)		<b>2621</b>	2678	2546
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>19.6</b>	19.3	20.7
Visc @ 100°C	cSt	ASTM D7279(m)		<b>14.9</b>	14.3	14.5



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0226605 **Received** : 30 Aug 2023  
**Lab Number** : 02579319 **Tested** : 30 Aug 2023  
**Unique Number** : 5632379 **Diagnosed** : 30 Aug 2023 - Wes Davis  
**Test Package** : MOB 1

**Amix Recycling**  
 11698 140 Street  
 Surrey, BC  
 CA V3R 2V4  
 Contact: Kenji Wong  
 kwong@amixgroup.ca  
 T:  
 F: (250)802-1002

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.