



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR LH30M 142539-1253**

Component  
**Swing Drive**

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

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0284079</b>	LH0260397	LH0260649
Sample Date		Client Info		<b>15 Feb 2024</b>	17 Aug 2023	03 May 2023
Machine Age	hrs	Client Info		<b>0</b>	1138	732
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>N/A</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)	>1450	<b>208</b>	158	160
Chromium	ppm	ASTM D5185(m)	>11	<b>2</b>	2	1
Nickel	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>4	<b>1</b>	<1	1
Lead	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	2
Copper	ppm	ASTM D5185(m)	>542	<b>33</b>	44	60
Tin	ppm	ASTM D5185(m)	>38	<b>2</b>	2	5
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

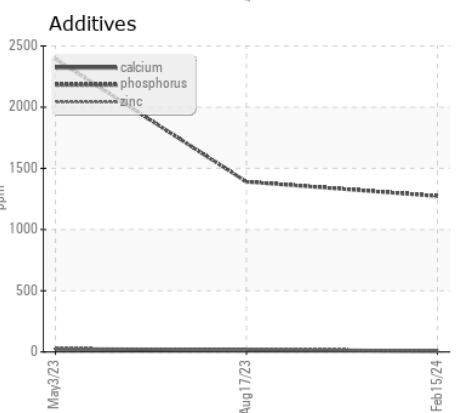
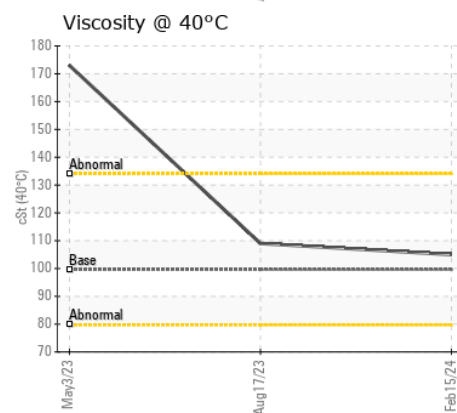
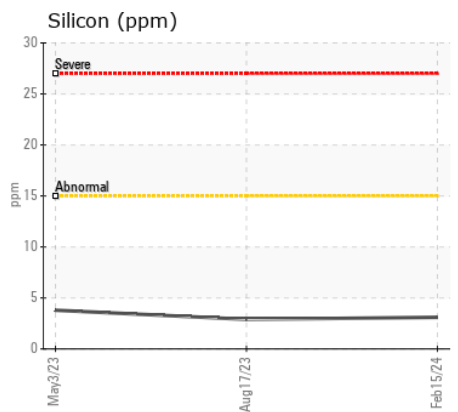
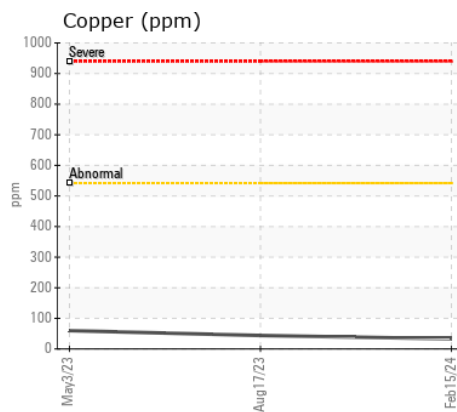
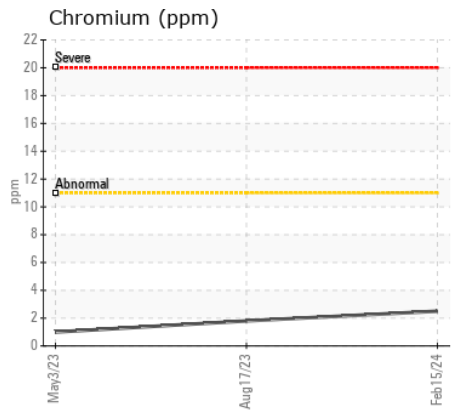
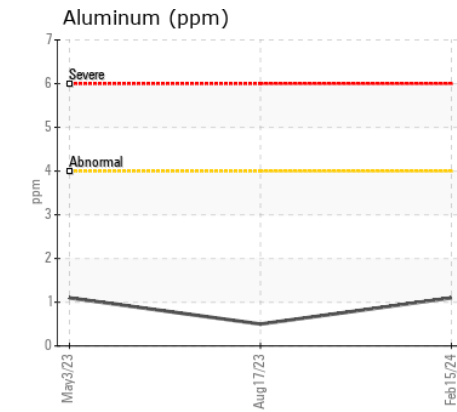
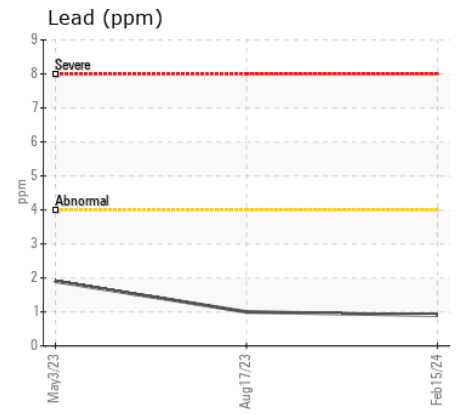
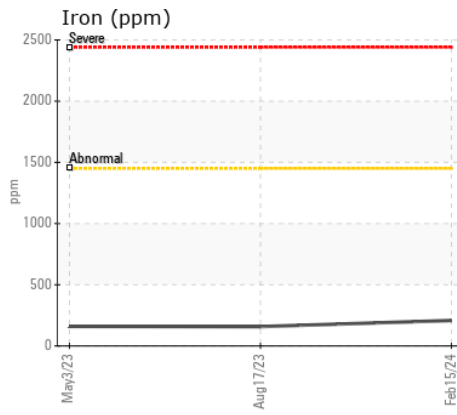
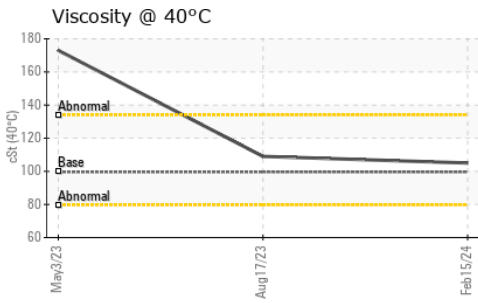
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	<b>3</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	LIGHT
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*	>0.2	<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>&lt;1</b>	2	5
Boron	ppm	ASTM D5185(m)	328	<b>302</b>	267	9
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	2	7
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>2</b>	2	2
Magnesium	ppm	ASTM D5185(m)	1	<b>1</b>	3	<1
Calcium	ppm	ASTM D5185(m)	7	<b>8</b>	19	24
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1273</b>	1390	2394
Zinc	ppm	ASTM D5185(m)	3	<b>13</b>	21	28
Sulfur	ppm	ASTM D5185(m)	17909	<b>20937</b>	20954	26707
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>105</b>	109	173



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0284079 **Received** : 16 Feb 2024  
**Lab Number** : 02616317 **Tested** : 16 Feb 2024  
**Unique Number** : 5733427 **Diagnosed** : 16 Feb 2024 - Wes Davis  
**Test Package** : MOB 1

**Goodies Trading Ltd.**  
 8150 Aitken Road  
 Chilliwack, BC  
 CA V2R 4H5  
 Contact: Service Manager

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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