



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH30M 090077
Component
Transmission
Fluid
PETRO CANADA 10W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0276291	LH	---
Sample Date		Client Info		16 Apr 2024	05 Jan 2022	---
Machine Age	hrs	Client Info		6756	5072	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		None	None	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>148	10	16	---
Chromium	ppm	ASTM D5185(m)	>4	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	1	---
Lead	ppm	ASTM D5185(m)	>203	0	<1	---
Copper	ppm	ASTM D5185(m)	>520	13	19	---
Tin	ppm	ASTM D5185(m)	>7	<1	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

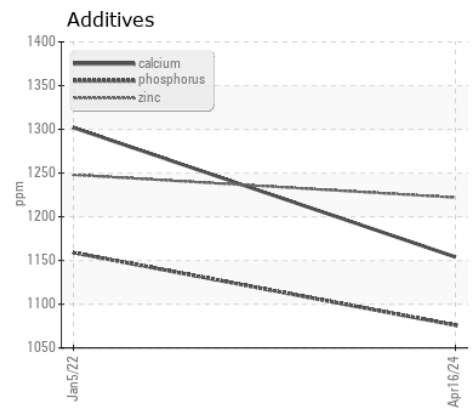
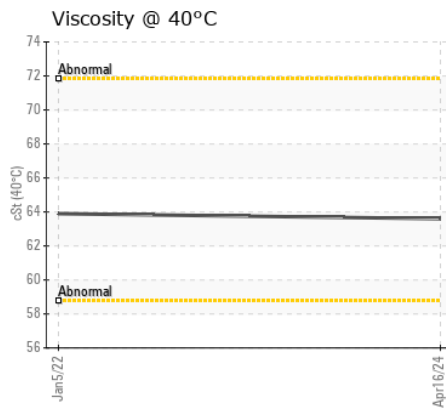
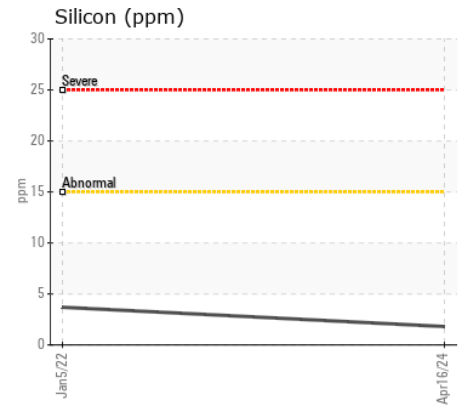
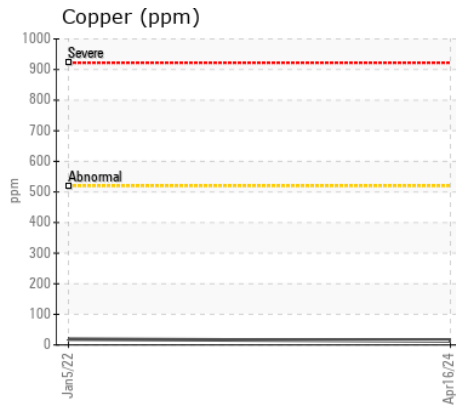
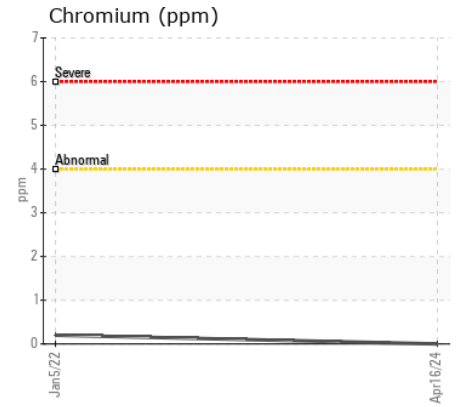
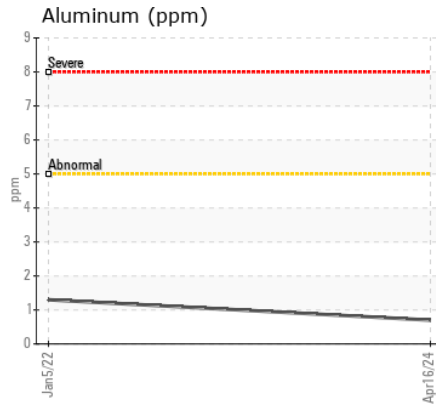
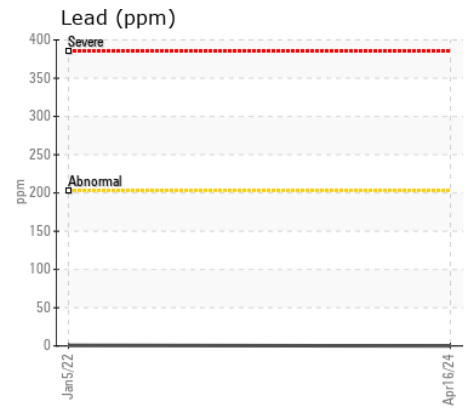
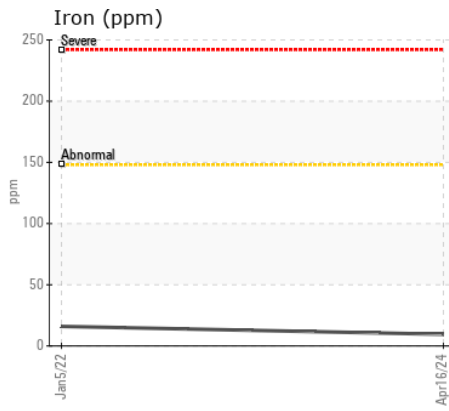
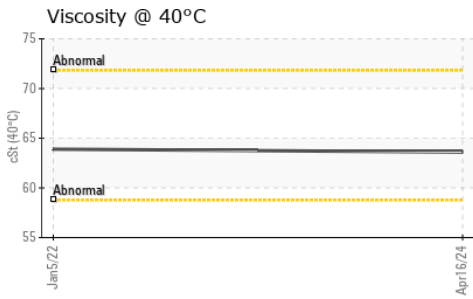
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>15	2	4	---
Potassium	ppm	ASTM D5185(m)	>20	0	1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	Visual*	NONE	VLITE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>20	3	7	---
Boron	ppm	ASTM D5185(m)		6	2	---
Barium	ppm	ASTM D5185(m)		0	<1	---
Molybdenum	ppm	ASTM D5185(m)		61	58	---
Manganese	ppm	ASTM D5185(m)		5	7	---
Magnesium	ppm	ASTM D5185(m)		1003	964	---
Calcium	ppm	ASTM D5185(m)		1154	1302	---
Phosphorus	ppm	ASTM D5185(m)		1076	1159	---
Zinc	ppm	ASTM D5185(m)		1222	1248	---
Sulfur	ppm	ASTM D5185(m)		3396	3408	---
Visc @ 40°C	cSt	ASTM D7279(m)		63.6	▲ 63.9	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0276291 **Received** : 17 Apr 2024
Lab Number : 02629787 **Tested** : 18 Apr 2024
Unique Number : 5762919 **Diagnosed** : 18 Apr 2024 - Kevin Marson
Test Package : MOB 1

ELG Canada
 4375 CORPORATE DRIVE
 BURLINGTON, ON
 CA L7L 5P7
 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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