



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LB28 115540

Component
2 Slewing Gearbox

Fluid
PETRO CANADA TRAXON 75W90 SYNTHETIC (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0291208	LH0070720	---
Sample Date		Client Info		04 May 2024	26 Mar 2013	---
Machine Age	hrs	Client Info		12022	1990	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	23	89	---
Chromium	ppm	ASTM D5185(m)	>5	0	<1	---
Nickel	ppm	ASTM D5185(m)	>5	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)		0	<1	---
Lead	ppm	ASTM D5185(m)	>5	0	4	---
Copper	ppm	ASTM D5185(m)	>35	23	83	---
Tin	ppm	ASTM D5185(m)	>5	<1	3	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

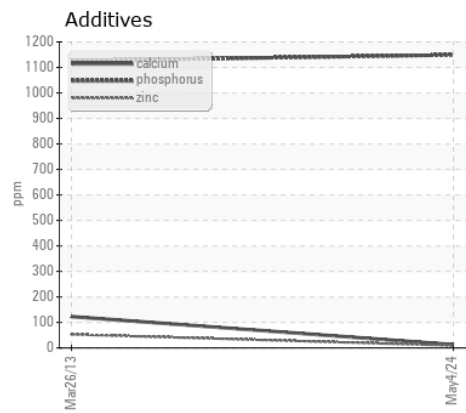
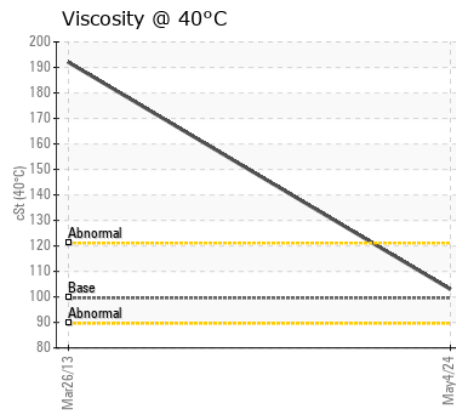
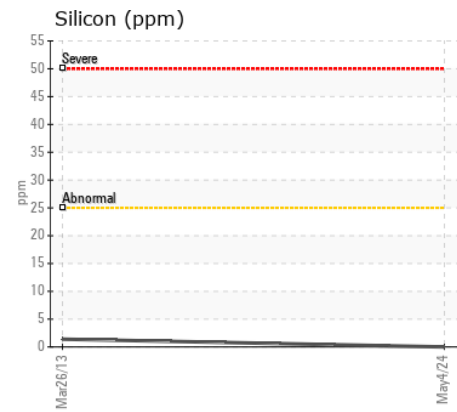
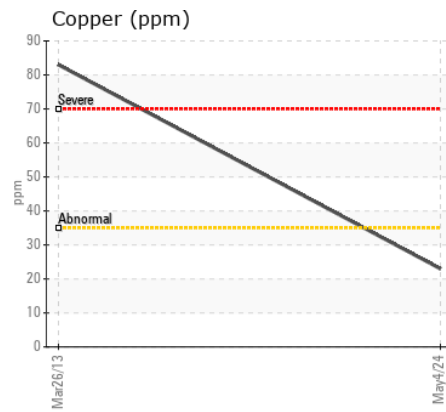
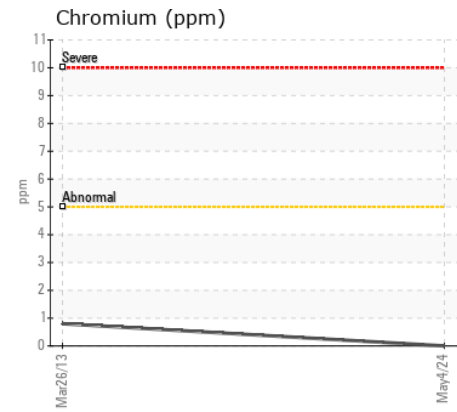
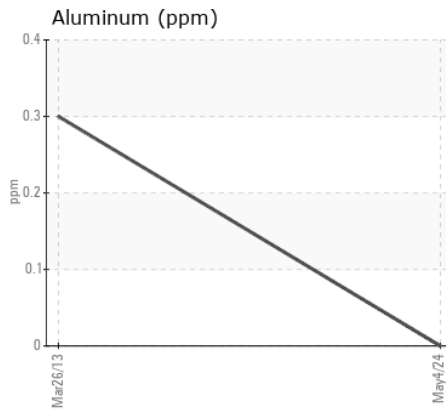
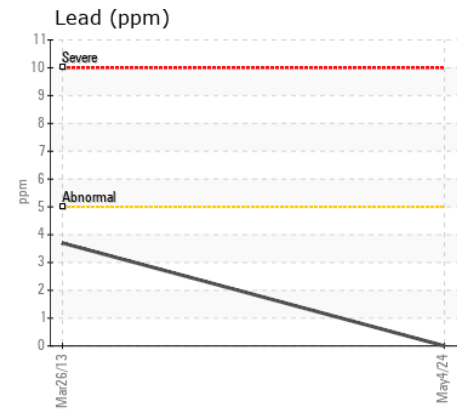
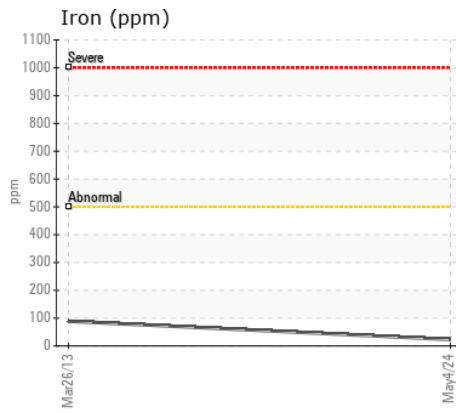
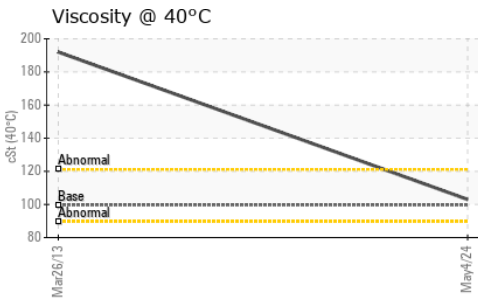
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	0	1	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	VLITE	---
Debris	scalar	Visual*	NONE	VLITE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	1	---
Boron	ppm	ASTM D5185(m)	328	301	3	---
Barium	ppm	ASTM D5185(m)	1	0	1	---
Molybdenum	ppm	ASTM D5185(m)		0	<1	---
Manganese	ppm	ASTM D5185(m)		0	2	---
Magnesium	ppm	ASTM D5185(m)	1	1	9	---
Calcium	ppm	ASTM D5185(m)	7	13	123	---
Phosphorus	ppm	ASTM D5185(m)	1145	1149	1126	---
Zinc	ppm	ASTM D5185(m)	3	9	53	---
Sulfur	ppm	ASTM D5185(m)	17909	19920	26154	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	103	192	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0291208
Lab Number : 02633940
Unique Number : 5775093
Test Package : MOB 1
Received : 07 May 2024
Tested : 07 May 2024
Diagnosed : 07 May 2024 - Wes Davis

Maple Site Solutions Inc.
 766 Old Hespeler Rd.
 Cambridge, ON
 CA N3H 5L8
 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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F: