



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH50M 146771-1216
Component
Rear Differential
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC	---	---
Sample Date		Client Info		04 May 2024	---	---
Machine Age	hrs	Client Info		2027	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Not Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>190	35	---	---
Chromium	ppm	ASTM D5185(m)	>2	0	---	---
Nickel	ppm	ASTM D5185(m)	>2	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	---	---
Lead	ppm	ASTM D5185(m)	>15	0	---	---
Copper	ppm	ASTM D5185(m)	>70	20	---	---
Tin	ppm	ASTM D5185(m)	>2	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

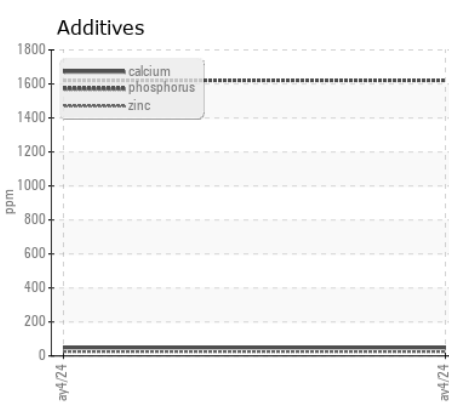
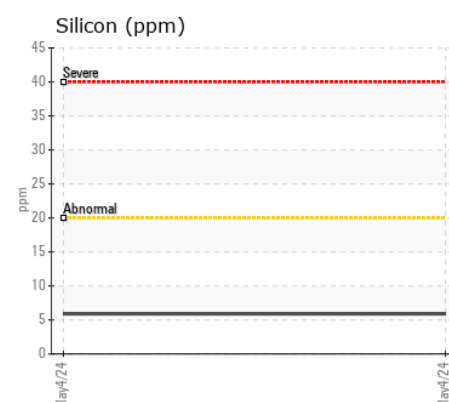
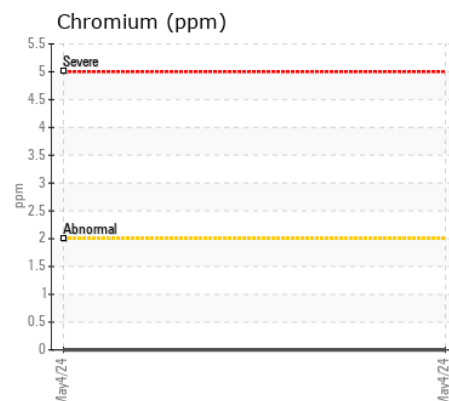
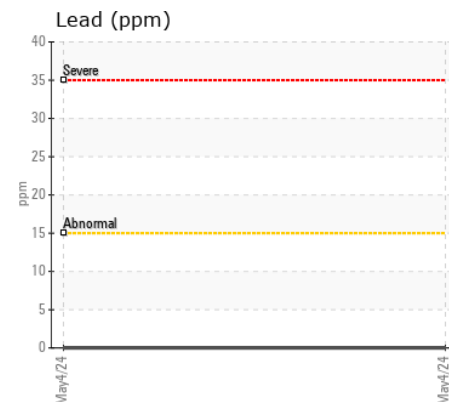
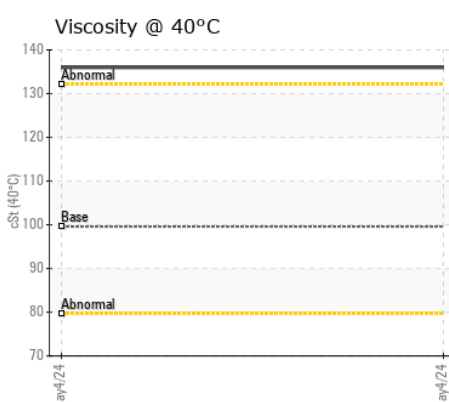
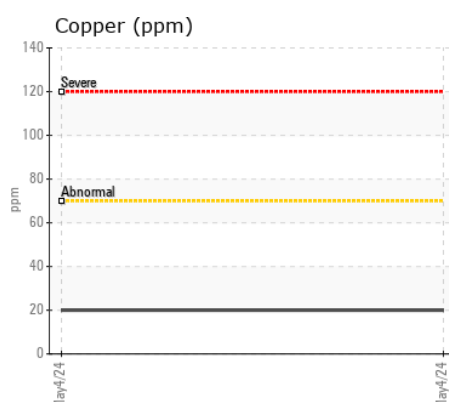
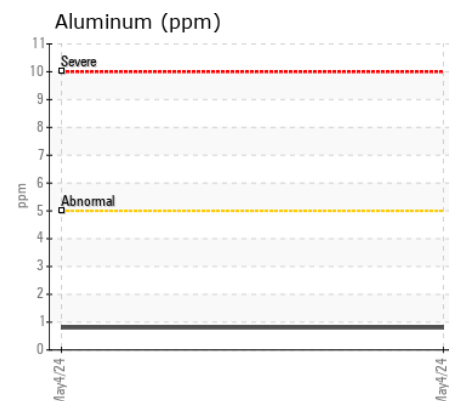
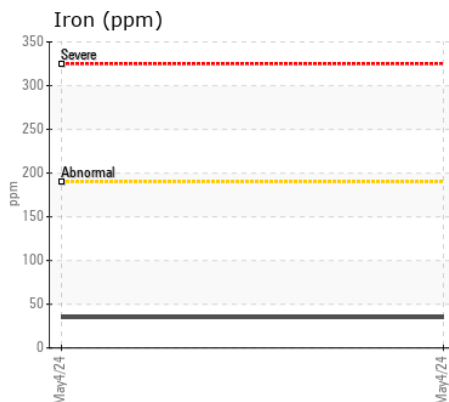
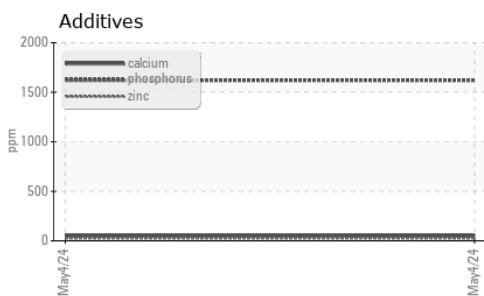
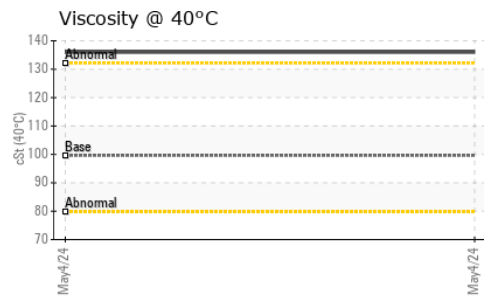
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		5	---	---
Boron	ppm	ASTM D5185(m)	328	89	---	---
Barium	ppm	ASTM D5185(m)	1	2	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)	1	2	---	---
Calcium	ppm	ASTM D5185(m)	7	49	---	---
Phosphorus	ppm	ASTM D5185(m)	1145	1621	---	---
Zinc	ppm	ASTM D5185(m)	3	25	---	---
Sulfur	ppm	ASTM D5185(m)	17909	23858	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	136	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC
Lab Number : 02636161
Unique Number : 5785323
Test Package : MOB 1
Received : 16 May 2024
Tested : 16 May 2024
Diagnosed : 16 May 2024 - Wes Davis

Recyclage de Metaux Integre Inc. - RMI Inc.
 1000 Route 389
 Fermont, QC
 CA G0G 1J0
 Contact: Paul Germain
 pgermain@rmi-imr.com

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.