



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR R924C 028643-1069

Component
Right Final Drive

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0281210	LH0246920	---
Sample Date		Client Info		01 Feb 2024	27 Jan 2023	---
Machine Age	hrs	Client Info		18438	15740	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	145	365	---
Chromium	ppm	ASTM D5185(m)	>10	5	10	---
Nickel	ppm	ASTM D5185(m)	>10	<1	2	---
Titanium	ppm	ASTM D5185(m)		0	2	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	10	24	---
Lead	ppm	ASTM D5185(m)	>25	4	7	---
Copper	ppm	ASTM D5185(m)	>50	36	56	---
Tin	ppm	ASTM D5185(m)	>10	2	5	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
White Metal	scalar	Visual*	NONE	LIGHT	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

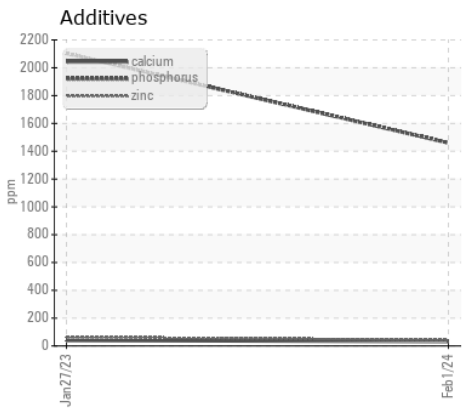
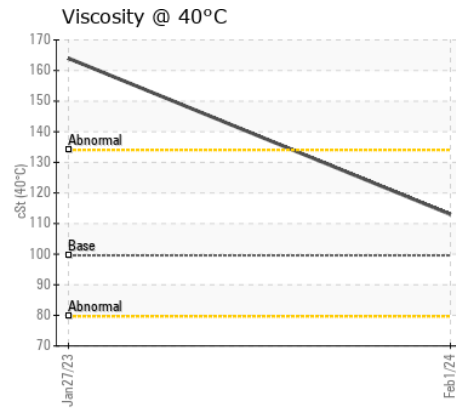
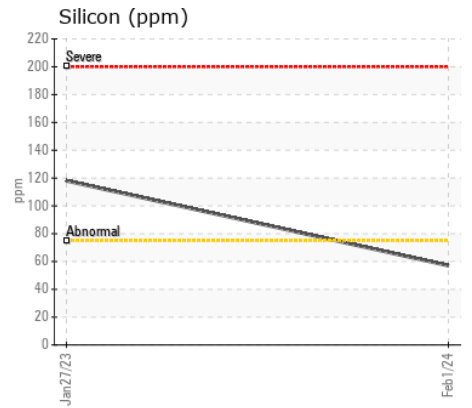
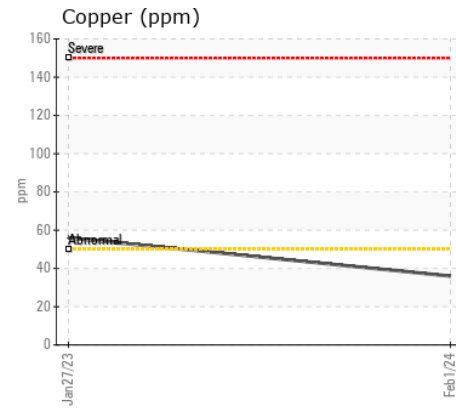
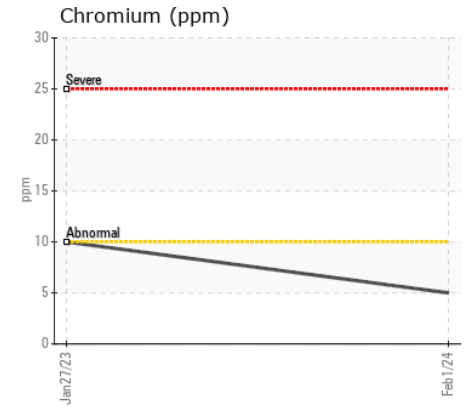
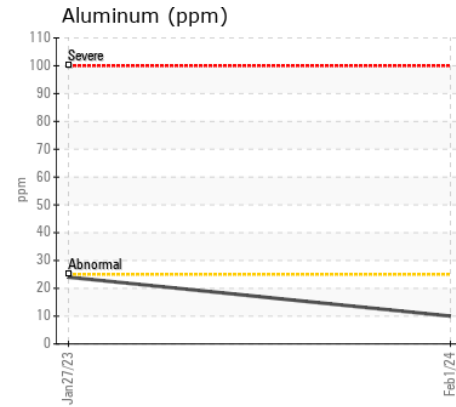
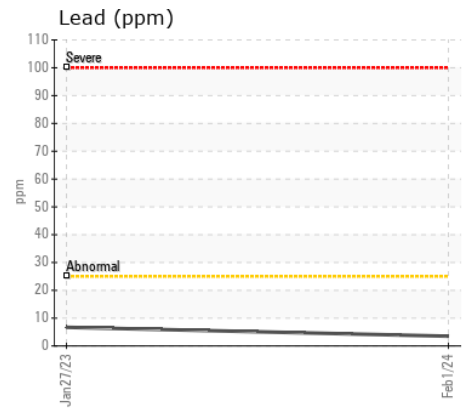
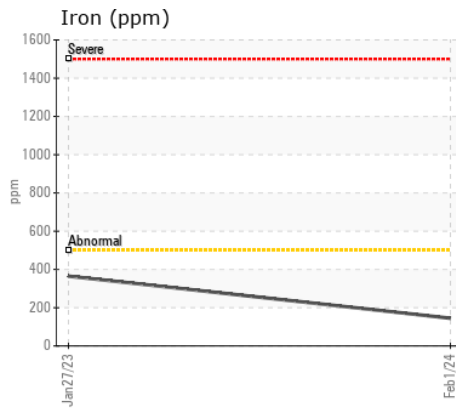
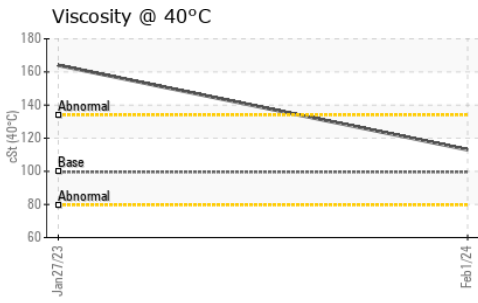
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	57	118	---
Potassium	ppm	ASTM D5185(m)	>20	4	9	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	VLITE	VLITE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		7	19	---
Boron	ppm	ASTM D5185(m)	328	216	3	---
Barium	ppm	ASTM D5185(m)	1	<1	0	---
Molybdenum	ppm	ASTM D5185(m)		0	<1	---
Manganese	ppm	ASTM D5185(m)		2	7	---
Magnesium	ppm	ASTM D5185(m)	1	4	6	---
Calcium	ppm	ASTM D5185(m)	7	32	40	---
Phosphorus	ppm	ASTM D5185(m)	1145	1460	2103	---
Zinc	ppm	ASTM D5185(m)	3	42	64	---
Sulfur	ppm	ASTM D5185(m)	17909	23408	33690	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	113	164	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0281210 **Received** : 16 Feb 2024
Lab Number : 02616321 **Tested** : 16 Feb 2024
Unique Number : 5733431 **Diagnosed** : 16 Feb 2024 - Wes Davis
Test Package : MOB 1

ABC RECYCLING
 8081 MEADOW AVE.
 BURNABY, BC
 CA V3N 2V9
 Contact: John Anderson
 john.anderson@abcrcycling.com
 T: (778)988-9944
 F:

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.