



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L586 046356-1334 (S/N 046356-1467)
Component
Swing Drive
Fluid
PETRO CANADA TRAXON 75W90 SYNTHETIC (--- 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		LH0277395	LH0140615	---
Sample Date		Client Info		04 Jan 2024	27 Mar 2019	---
Machine Age	hrs	Client Info		4931	929	---
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)	>750	184	72	---
Chromium	ppm	ASTM D5185(m)	>10	2	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	---
Lead	ppm	ASTM D5185(m)	>5	<1	2	---
Copper	ppm	ASTM D5185(m)	>250	10	68	---
Tin	ppm	ASTM D5185(m)	>10	<1	2	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

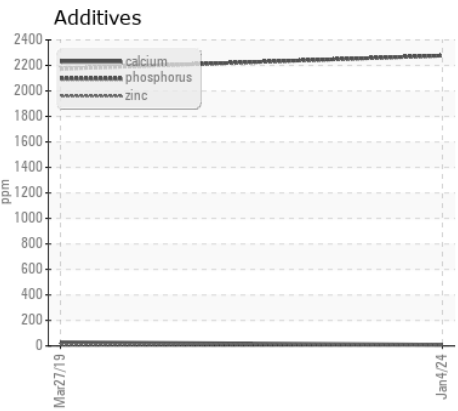
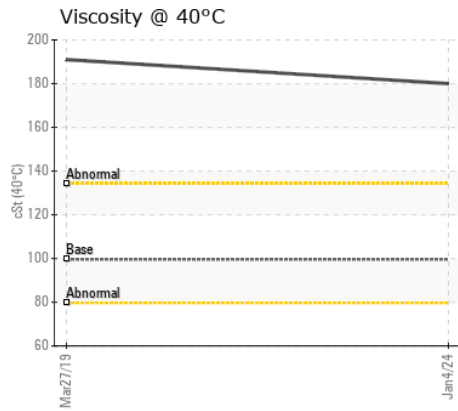
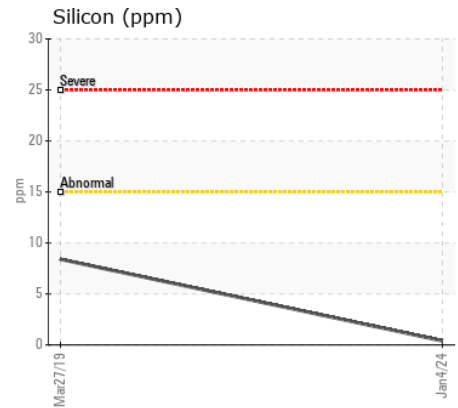
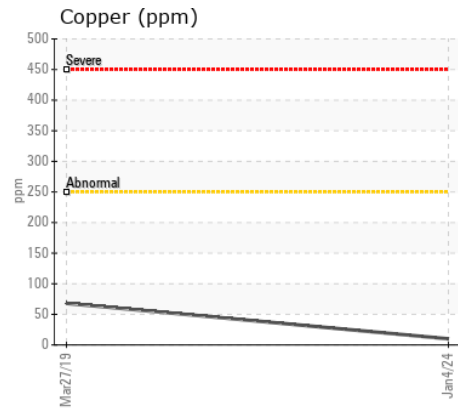
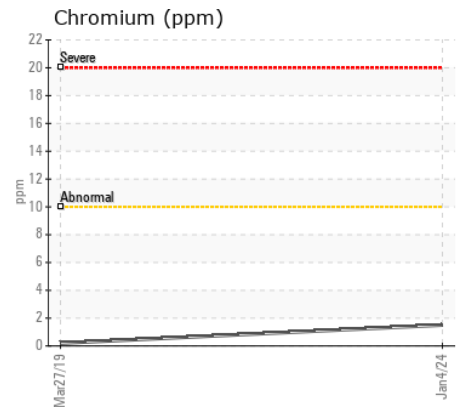
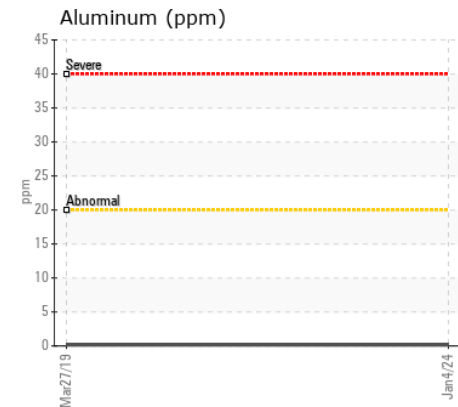
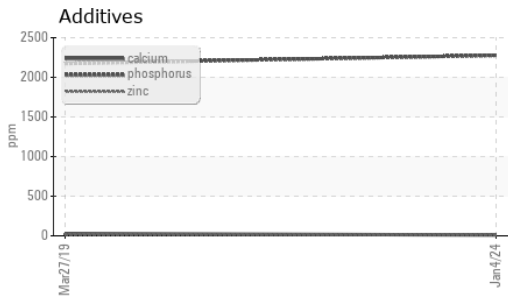
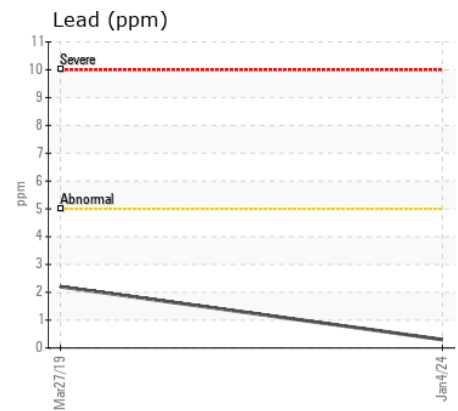
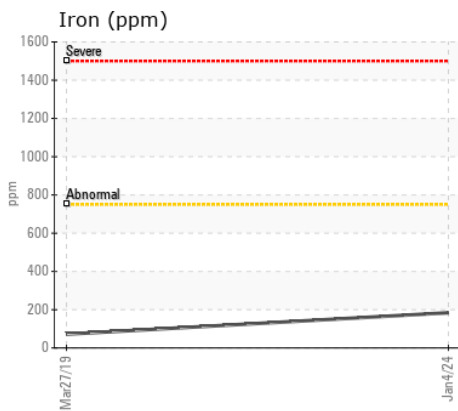
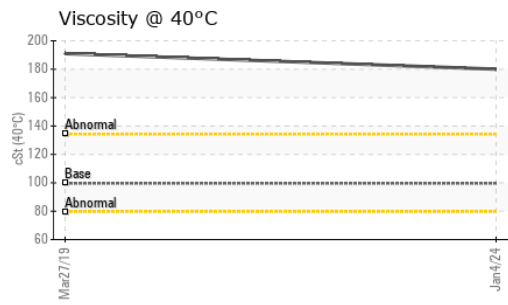
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	<1	8	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	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

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)		2	4	---
Boron	ppm	ASTM D5185(m)	328	15	8	---
Barium	ppm	ASTM D5185(m)	1	0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	1	---
Manganese	ppm	ASTM D5185(m)		1	<1	---
Magnesium	ppm	ASTM D5185(m)	1	<1	6	---
Calcium	ppm	ASTM D5185(m)	7	10	29	---
Phosphorus	ppm	ASTM D5185(m)	1145	2277	2174	---
Zinc	ppm	ASTM D5185(m)	3	12	11	---
Sulfur	ppm	ASTM D5185(m)	17909	26010	25194	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	180	191	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **MODERN CONSTRUCTION (1983) LTD.**
Sample No. : LH0277395 **Received** : 08 Jan 2024 **364 BRIGGS CROSS ROAD**
Lab Number : 02607227 **Diagnosed** : 08 Jan 2024 **STILESVILLE, NB**
Unique Number : 5708313 **Diagnostician** : Kevin Marson **CA E1G 3G3**
Test Package : MOB 1 **Contact:** Blaine Cail
blaine.cail@moderngroup.ca

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.