



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(360382)
Machine Id
LIEBHERR LH60C 119564-1528
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		LH0278913	LH0234860	LH0242598
Sample Date		Client Info		18 Jan 2024	23 Jun 2023	28 Oct 2022
Machine Age	hrs	Client Info		4002	2997	1996
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>350	218	274	115
Chromium	ppm	ASTM D5185(m)	>5	2	3	2
Nickel	ppm	ASTM D5185(m)	>5	2	2	2
Titanium	ppm	ASTM D5185(m)		1	3	<1
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>10	28	▲ 45	6
Lead	ppm	ASTM D5185(m)	>10	2	3	2
Copper	ppm	ASTM D5185(m)	>125	20	26	17
Tin	ppm	ASTM D5185(m)	>10	1	2	<1
Vanadium	ppm	ASTM D5185(m)		0	<1	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

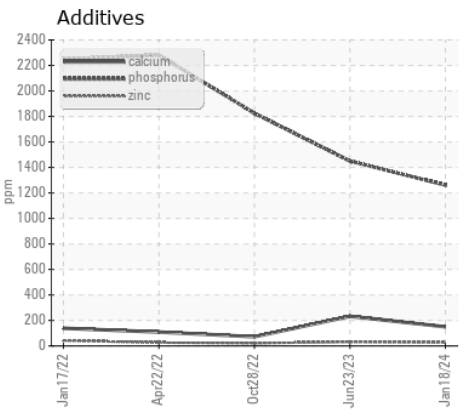
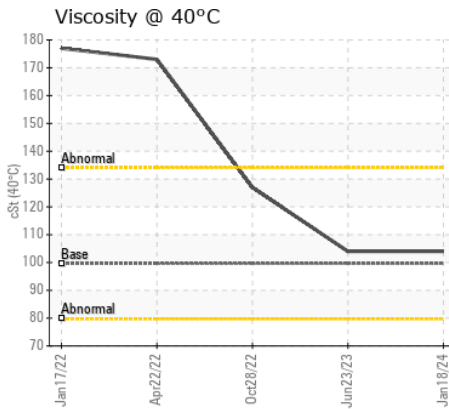
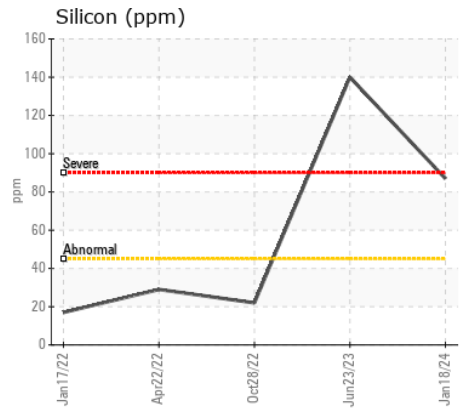
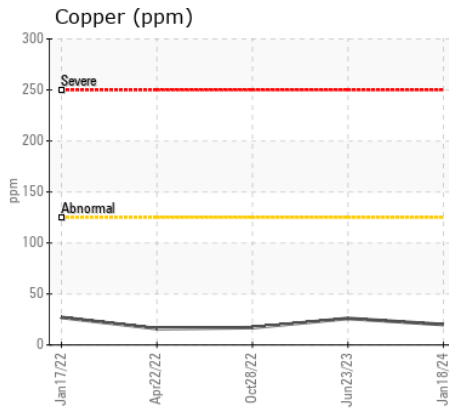
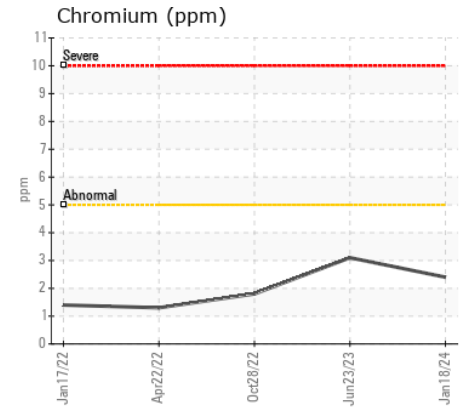
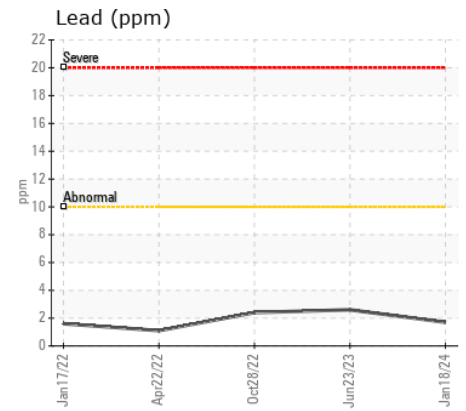
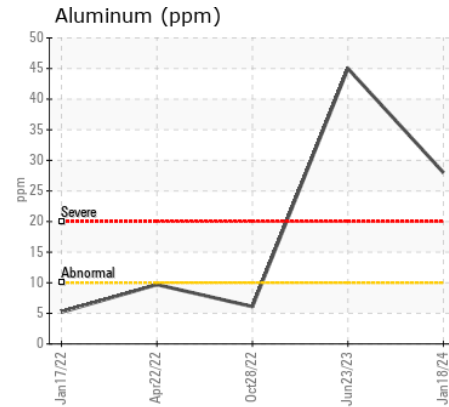
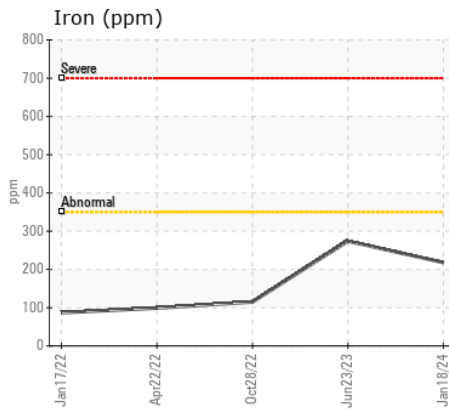
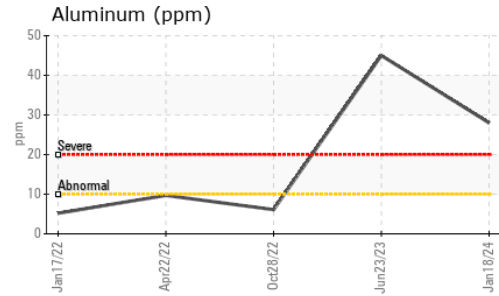
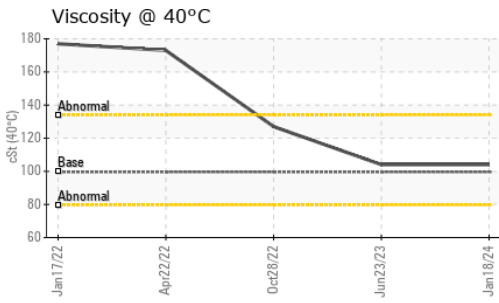
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>45	87	▲ 140	22
Potassium	ppm	ASTM D5185(m)	>20	11	18	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	VLITE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		5	8	6
Boron	ppm	ASTM D5185(m)	328	249	235	101
Barium	ppm	ASTM D5185(m)	1	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		0	<1	0
Manganese	ppm	ASTM D5185(m)		2	3	1
Magnesium	ppm	ASTM D5185(m)	1	20	28	5
Calcium	ppm	ASTM D5185(m)	7	150	233	72
Phosphorus	ppm	ASTM D5185(m)	1145	1261	1450	1825
Zinc	ppm	ASTM D5185(m)	3	27	32	21
Sulfur	ppm	ASTM D5185(m)	17909	21115	21879	25012
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	104	104	127



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0278913 **Received** : 23 Jan 2024
Lab Number : 02610696 **Diagnosed** : 23 Jan 2024
Unique Number : 5711782 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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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