



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR HS8100 184996

Component
Right Track 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		LH0284981	LH0261256	LH0239657
Sample Date		Client Info		26 Jan 2024	04 May 2023	29 Jul 2022
Machine Age	hrs	Client Info		12043	10190	8773
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		None	None	None
Sample Status				NORMAL	SEVERE	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>1000	200	▲ 979	54
Chromium	ppm	ASTM D5185(m)	>30	2	▲ 10	<1
Nickel	ppm	ASTM D5185(m)	>7	2	▲ 8	<1
Titanium	ppm	ASTM D5185(m)		1	▲ 15	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	34	● 275	5
Lead	ppm	ASTM D5185(m)	>50	<1	2	<1
Copper	ppm	ASTM D5185(m)	>100	19	▲ 58	4
Tin	ppm	ASTM D5185(m)	>5	1	3	0
Vanadium	ppm	ASTM D5185(m)		0	1	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

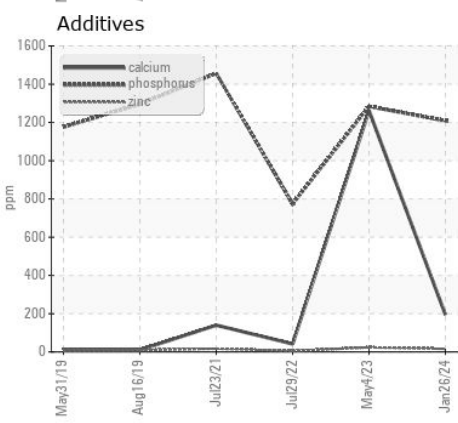
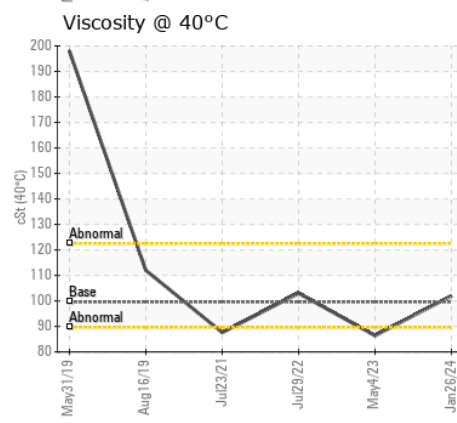
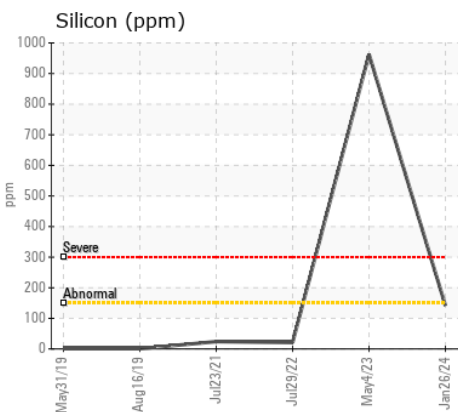
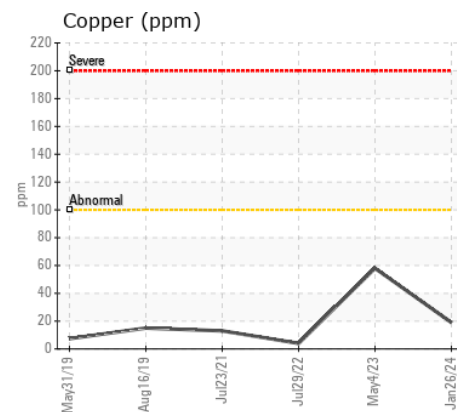
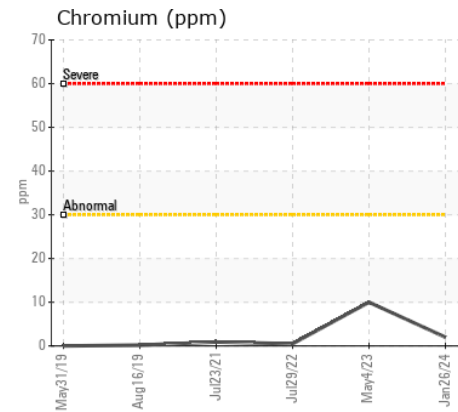
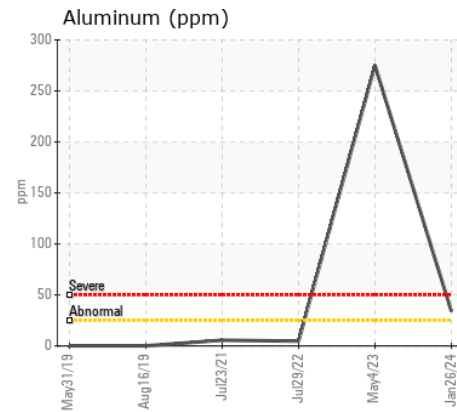
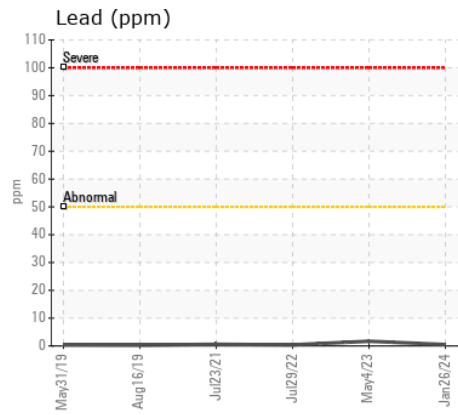
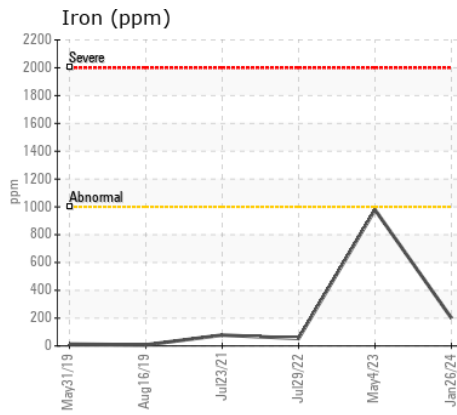
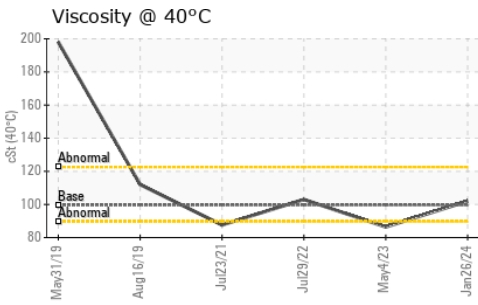
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>150	142	▲ 963	21
Potassium	ppm	ASTM D5185(m)	>20	12	107	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	LIGHT	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
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)		9	54	2
Boron	ppm	ASTM D5185(m)	328	235	273	61
Barium	ppm	ASTM D5185(m)	1	0	1	0
Molybdenum	ppm	ASTM D5185(m)		0	1	0
Manganese	ppm	ASTM D5185(m)		2	16	1
Magnesium	ppm	ASTM D5185(m)	1	23	● 149	4
Calcium	ppm	ASTM D5185(m)	7	195	● 1262	42
Phosphorus	ppm	ASTM D5185(m)	1145	1209	1284	774
Zinc	ppm	ASTM D5185(m)	3	16	● 24	5
Sulfur	ppm	ASTM D5185(m)	17909	20599	20760	19409
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	102	86.4	103



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0284981
Lab Number : 02619989
Unique Number : 5737099
Test Package : MOB 1
Received : 05 Mar 2024
Tested : 05 Mar 2024
Diagnosed : 06 Mar 2024 - Kevin Marson

HIGGS & HIGGS
 RR # 4
 ST THOMAS, ON
 CA N5P 3S8
 Contact: Bernie Higgs

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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