



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR R926 048474-1565

Component
Swing 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		LH0281111	LH0226536	LH0214997
Sample Date		Client Info		05 Jan 2024	18 May 2022	03 Nov 2021
Machine Age	hrs	Client Info		1956	2674	456
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	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>750	197	489	822
Chromium	ppm	ASTM D5185(m)	>10	2	4	8
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>5	2	3	3
Copper	ppm	ASTM D5185(m)	>250	67	87	85
Tin	ppm	ASTM D5185(m)	>10	<1	2	3
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

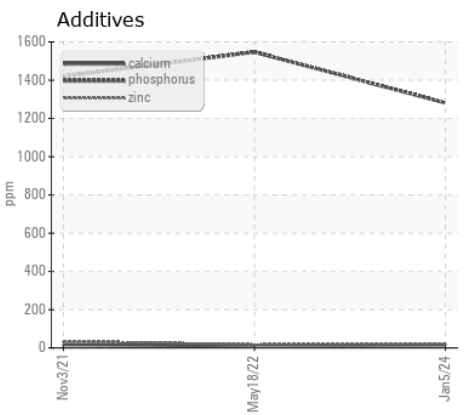
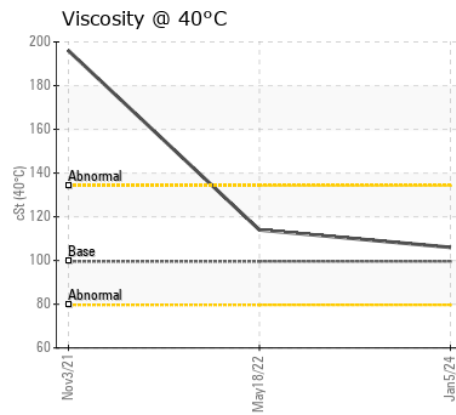
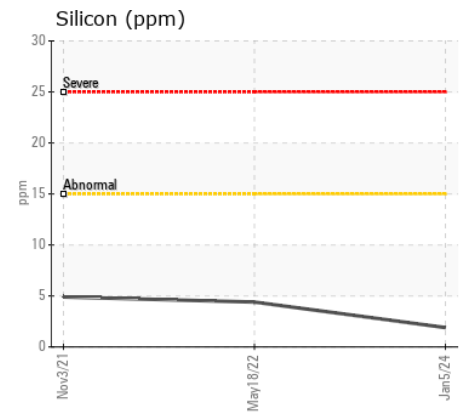
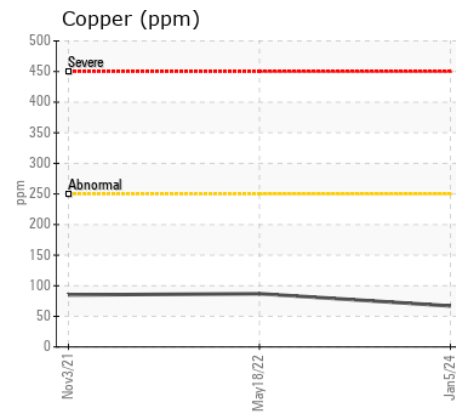
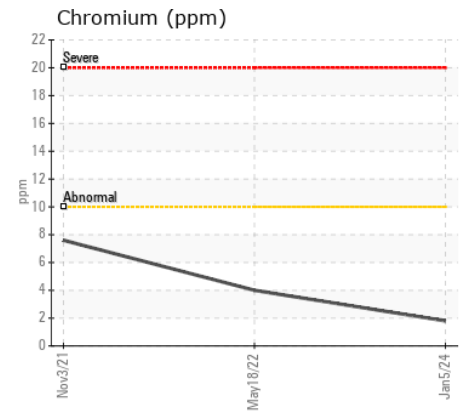
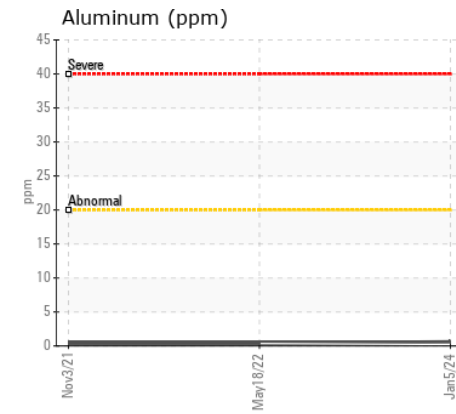
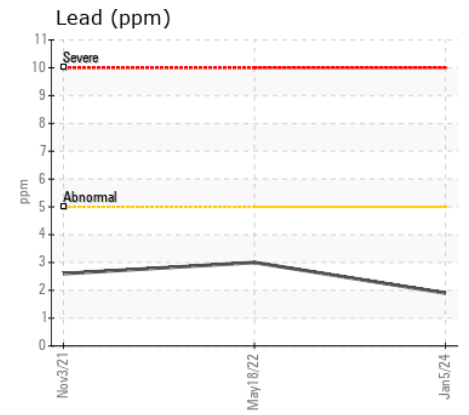
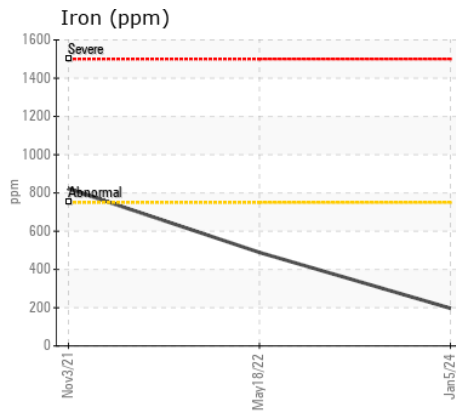
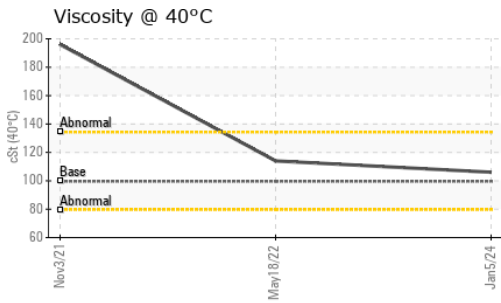
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	2	4	5
Potassium	ppm	ASTM D5185(m)	>20	<1	0	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	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)		<1	2	6
Boron	ppm	ASTM D5185(m)	328	273	232	5
Barium	ppm	ASTM D5185(m)	1	<1	4	20
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1
Manganese	ppm	ASTM D5185(m)		1	6	8
Magnesium	ppm	ASTM D5185(m)	1	3	1	1
Calcium	ppm	ASTM D5185(m)	7	16	12	18
Phosphorus	ppm	ASTM D5185(m)	1145	1281	1547	1420
Zinc	ppm	ASTM D5185(m)	3	19	17	35
Sulfur	ppm	ASTM D5185(m)	17909	20672	22200	22794
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	106	114	196



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0281111 **Received** : 10 Jan 2024
Lab Number : 02607940 **Diagnosed** : 10 Jan 2024
Unique Number : 5709026 **Diagnostician** : Wes Davis
Test Package : MOB 1

VICTORIA STONESCAPES
 1870 KEATING CROSS ROAD
 SAANICHTON, BC
 CA V8M 1W9
 Contact: Service Manager

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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F: