



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
SOLETANCHE [604374]
Machine Id
LIEBHERR HS8100 186028
Component
Boom Winch
Fluid
PETRO CANADA TRAXON 75W90 SYNTHETIC (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0286947	LH0192769	---
Sample Date		Client Info		06 Apr 2024	09 Feb 2022	---
Machine Age	hrs	Client Info		2891	541	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	63	1	---
Chromium	ppm	ASTM D5185(m)	>10	<1	0	---
Nickel	ppm	ASTM D5185(m)	>10	3	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>5	2	<1	---
Lead	ppm	ASTM D5185(m)	>15	0	2	---
Copper	ppm	ASTM D5185(m)	>80	<1	<1	---
Tin	ppm	ASTM D5185(m)		0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

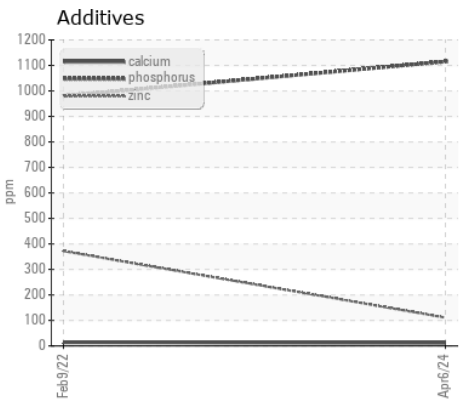
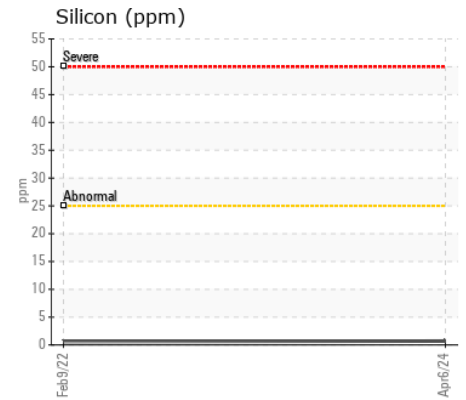
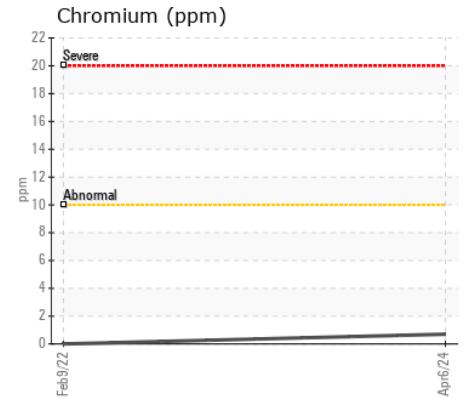
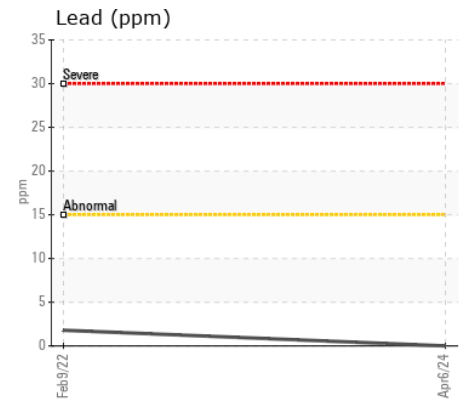
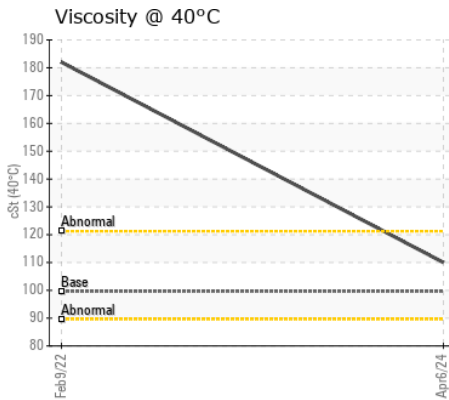
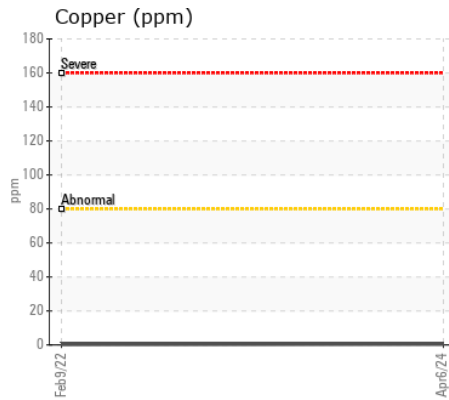
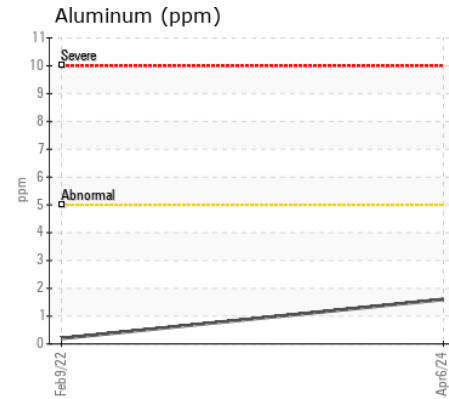
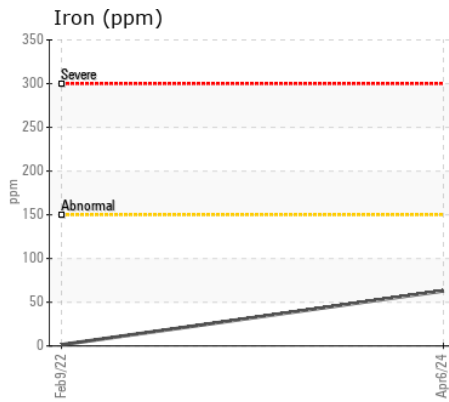
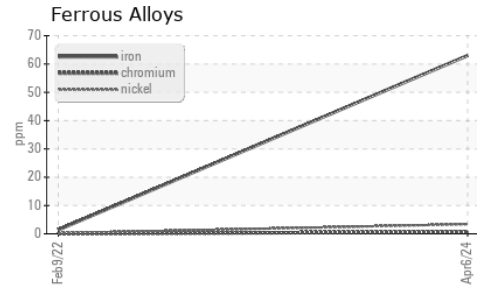
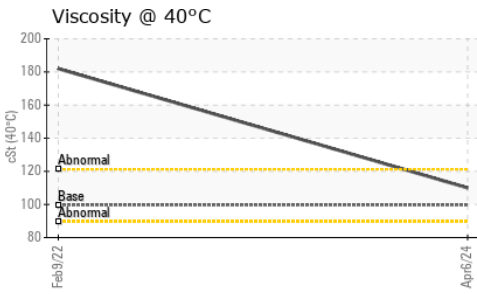
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<1	<1	---
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	VLITE	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	.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		3	1	---
Boron	ppm	ASTM D5185(m)	328	175	<1	---
Barium	ppm	ASTM D5185(m)	1	<1	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		2	0	---
Magnesium	ppm	ASTM D5185(m)	1	2	0	---
Calcium	ppm	ASTM D5185(m)	7	12	14	---
Phosphorus	ppm	ASTM D5185(m)	1145	1115	980	---
Zinc	ppm	ASTM D5185(m)	3	111	372	---
Sulfur	ppm	ASTM D5185(m)	17909	20099	17439	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	110	182	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : LH0286947

Lab Number : 02627965

Unique Number : 5761097

Test Package : MOB 1

Received : 10 Apr 2024

Tested : 10 Apr 2024

Diagnosed : 10 Apr 2024 - Kevin Marson

SOLETANCHE BACHY CANADA

3 STUDEBAKER PLACE

HAMILTON, ON

CA L8L 0C8

Contact: Mikael Christensen

mikael.christensen@sb-canada.com

T: (905)528-7924

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.