



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L586 045792

Component
Splitter Box

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0278657	LH	LH
Sample Date		Client Info		21 Jan 2024	27 Sep 2019	27 May 2019
Machine Age	hrs	Client Info		18497	6204	4966
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		None	None	None
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>365	66	17	10
Chromium	ppm	ASTM D5185(m)	>6	<1	<1	0
Nickel	ppm	ASTM D5185(m)	>5	2	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>5	1	<1	0
Lead	ppm	ASTM D5185(m)	>5	<1	<1	0
Copper	ppm	ASTM D5185(m)	>20	2	<1	0
Tin	ppm	ASTM D5185(m)	>4	0	0	0
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

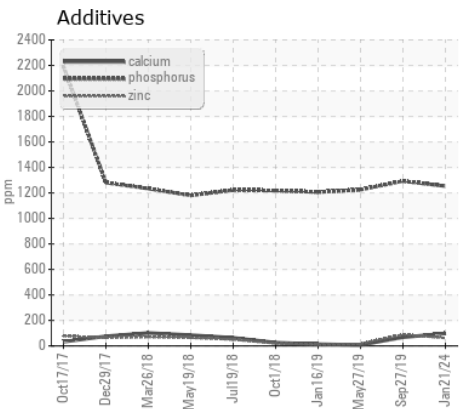
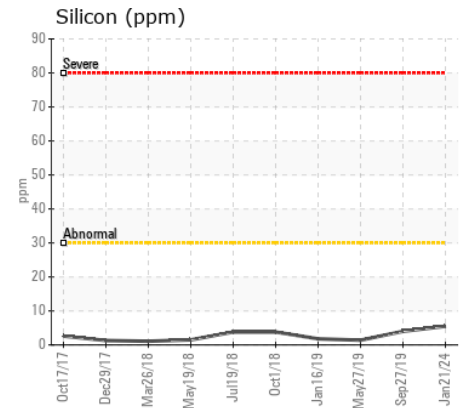
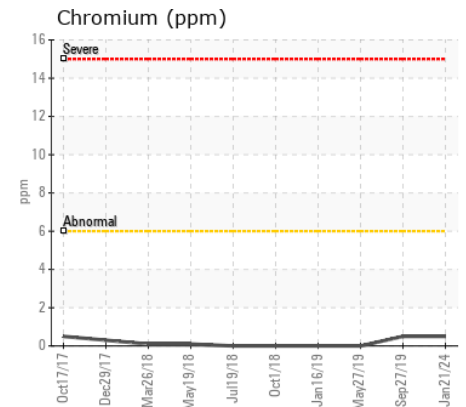
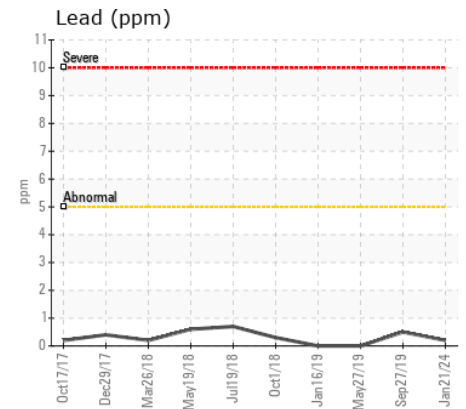
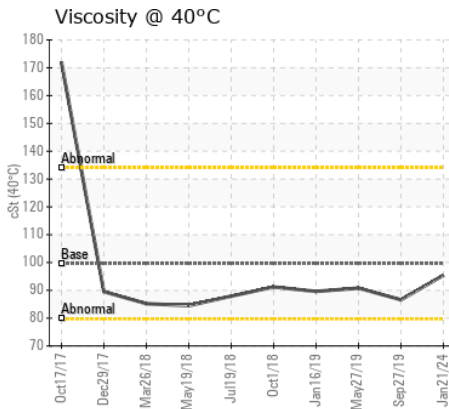
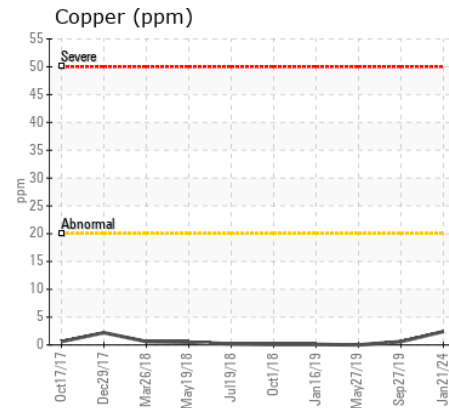
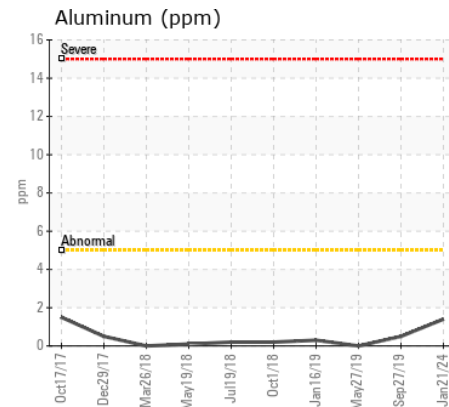
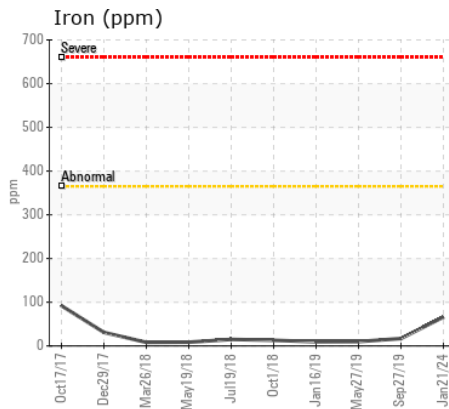
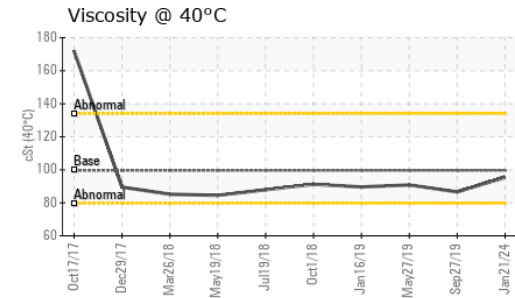
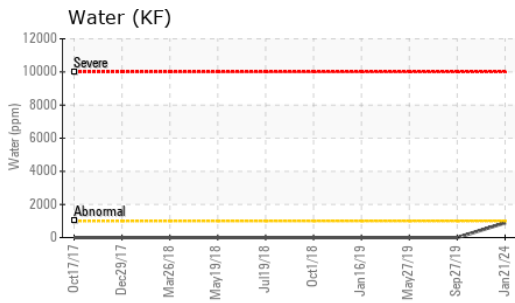
Free water present.

Silicon	ppm	ASTM D5185(m)	>30	6	4	1
Potassium	ppm	ASTM D5185(m)	>20	2	<1	0
Water	%	ASTM D6304*	>0.1	0.089	---	---
ppm Water	ppm	ASTM D6304*	>1000	893	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	WGOIL	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	.5%	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>25	1	0	0
Boron	ppm	ASTM D5185(m)	328	274	309	313
Barium	ppm	ASTM D5185(m)	1	0	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1	4	2	2
Calcium	ppm	ASTM D5185(m)	7	98	68	8
Phosphorus	ppm	ASTM D5185(m)	1145	1254	1293	1225
Zinc	ppm	ASTM D5185(m)	3	62	90	16
Sulfur	ppm	ASTM D5185(m)	17909	19346	19057	20381
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	95.4	86.6	90.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0278657 **Received** : 22 Jan 2024
Lab Number : 02610353 **Diagnosed** : 23 Jan 2024
Unique Number : 5711439 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: KF)

CBM Aggregates
 135 West Beaver Creek Road
 Richmond Hill, ON
 CA L4B 4R7
 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.

T:
F: