



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L566 036511-1168

Component
Transmission (Auto)

Fluid
PETRO CANADA ATF DEXRON III/MERCON (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0278889	LH0257432	LH
Sample Date		Client Info		21 Jan 2024	14 Sep 2023	31 Oct 2020
Machine Age	hrs	Client Info		14008	13830	9931
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		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>160	84	118	11
Chromium	ppm	ASTM D5185(m)	>5	0	<1	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>50	3	4	13
Lead	ppm	ASTM D5185(m)	>50	2	3	1
Copper	ppm	ASTM D5185(m)	>225	<1	1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
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

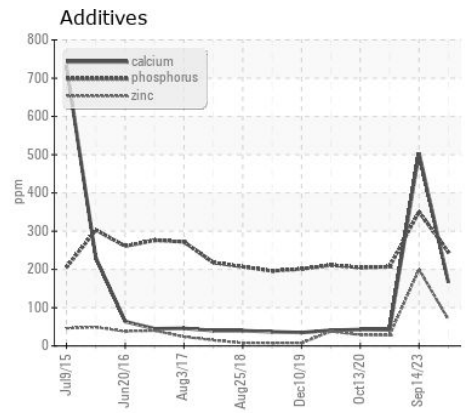
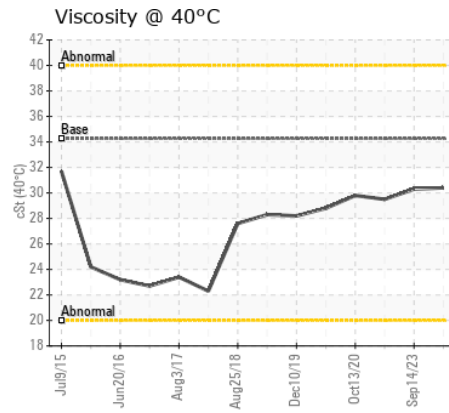
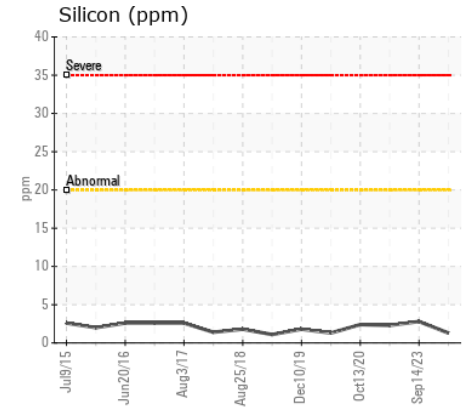
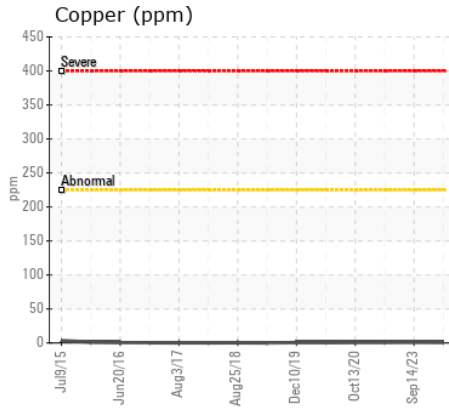
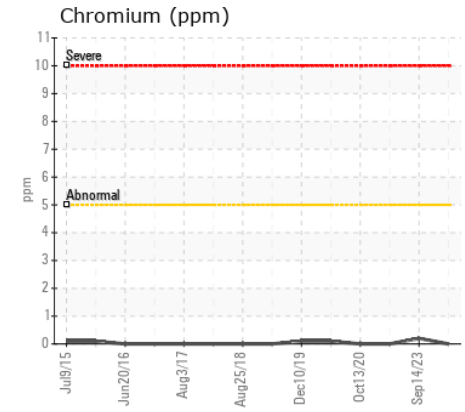
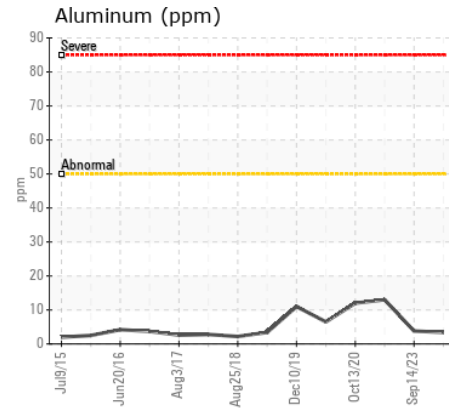
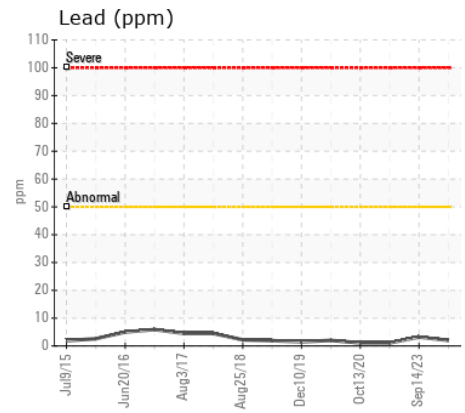
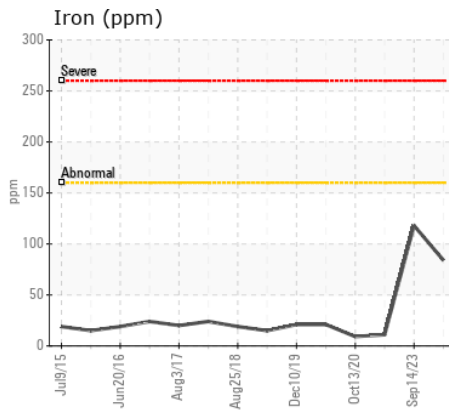
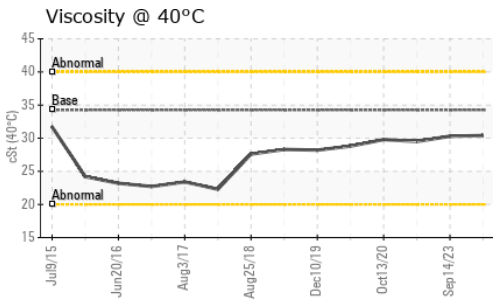
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	1	3	2
Potassium	ppm	ASTM D5185(m)	>20	<1	3	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	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*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		3	6	2
Boron	ppm	ASTM D5185(m)	130	85	79	85
Barium	ppm	ASTM D5185(m)	1.0	<1	1	0
Molybdenum	ppm	ASTM D5185(m)	0.0	0	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	1	<1
Magnesium	ppm	ASTM D5185(m)	1.0	4	5	8
Calcium	ppm	ASTM D5185(m)	20	166	504	42
Phosphorus	ppm	ASTM D5185(m)	280	245	351	207
Zinc	ppm	ASTM D5185(m)	10	69	200	28
Sulfur	ppm	ASTM D5185(m)	440	1148	1221	1121
Visc @ 40°C	cSt	ASTM D7279(m)	34.26	30.4	30.3	29.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0278889 **Received** : 22 Jan 2024
Lab Number : 02610332 **Diagnosed** : 22 Jan 2024
Unique Number : 5711418 **Diagnostician** : Wes Davis
Test Package : MOB 1

Summit Aggregates
 2686 Greenfield Blvd.
 Ayr, ON
 CA N0B 1E0
 Contact: Greg .
 greg@summitagg.com
 T: (226)791-0161
 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.