



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
111164-1217

Component
Splitter Box

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		LH0269653	LH0260355	LH0246739
Sample Date		Client Info		12 Dec 2023	13 Jun 2023	11 Jan 2023
Machine Age	hrs	Client Info		6995	4735	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	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)	>100	17	12	10
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>30	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>20	3	2	2
Tin	ppm	ASTM D5185(m)	>10	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

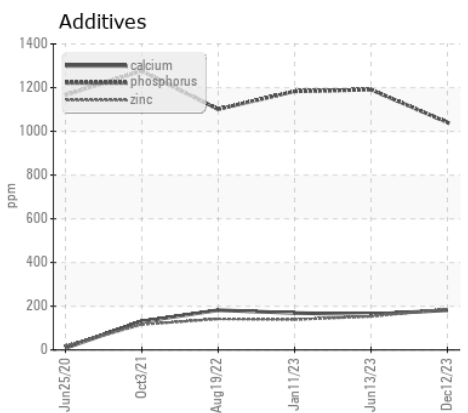
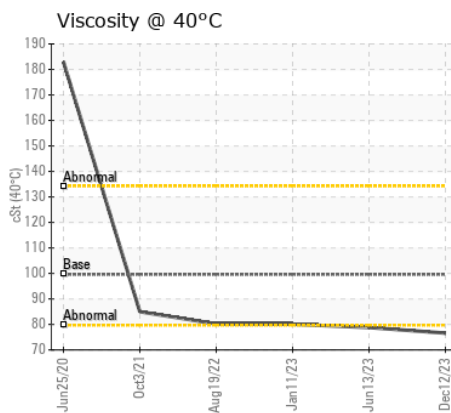
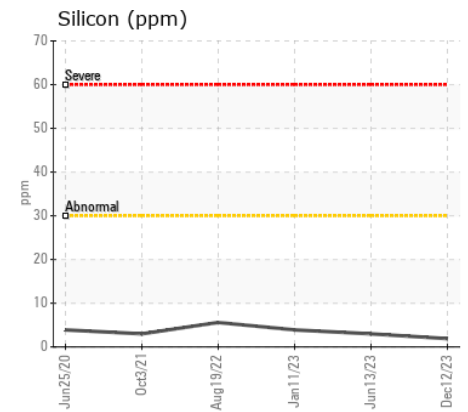
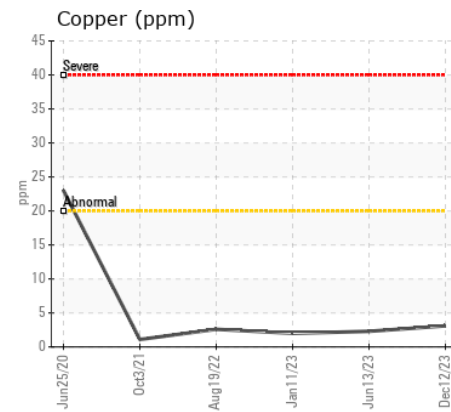
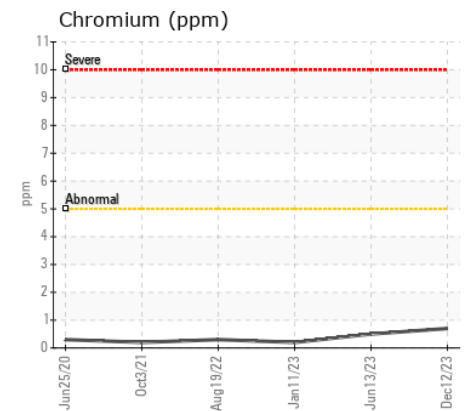
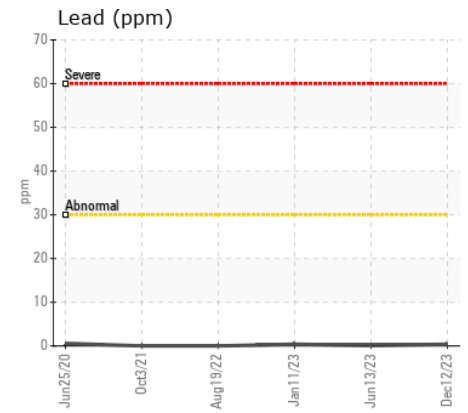
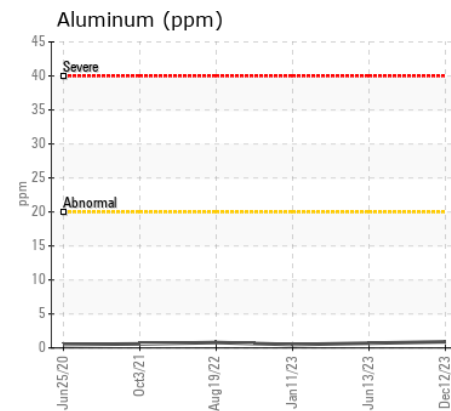
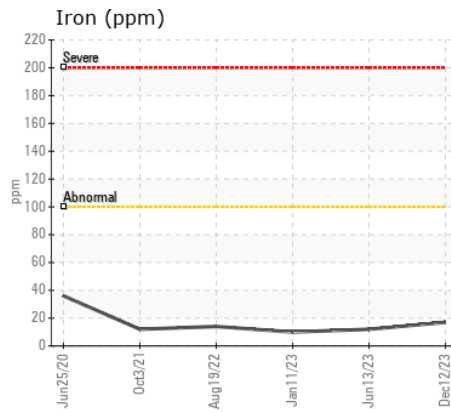
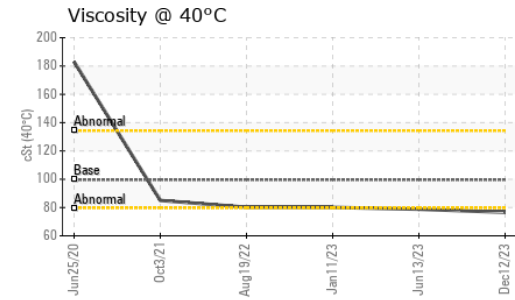
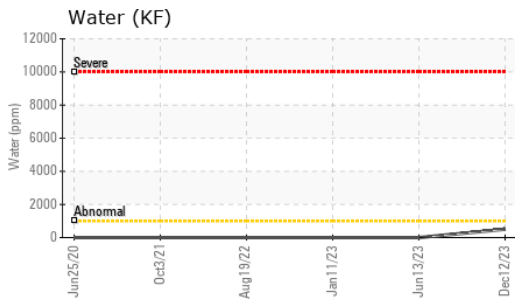
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	2	3	4
Potassium	ppm	ASTM D5185(m)	>20	1	<1	0
Water	%	ASTM D6304*	>0.1	0.050	---	---
ppm Water	ppm	ASTM D6304*	>1000	504	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	.2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>25	1	<1	1
Boron	ppm	ASTM D5185(m)	328	216	235	245
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)		<1	1	1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1	22	20	22
Calcium	ppm	ASTM D5185(m)	7	182	163	169
Phosphorus	ppm	ASTM D5185(m)	1145	1041	1191	1183
Zinc	ppm	ASTM D5185(m)	3	187	153	139
Sulfur	ppm	ASTM D5185(m)	17909	15611	16630	17042
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	76.6	78.8	80.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0269653 **Received** : 10 Jan 2024
Lab Number : 02607928 **Diagnosed** : 11 Jan 2024
Unique Number : 5709014 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: KF)

American Iron and Metal
 60 SIMMONDS DRIVE
 DARTMOUTH, NS
 CA B3B 1P6
 Contact: Pierre Paille

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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