



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
031629-793
Component
Right Final Drive
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (6 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0286861	LH0289499	LH0227403
Sample Date		Client Info		04 Jun 2024	24 May 2024	08 Apr 2022
Machine Age	hrs	Client Info		16164	16113	13549
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		None	None	None
Sample Status				NORMAL	SEVERE	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	103	▲ 5086	▲ 1636
Chromium	ppm	ASTM D5185(m)	>10	1	▲ 88	▲ 33
Nickel	ppm	ASTM D5185(m)	>10	0	▲ 13	4
Titanium	ppm	ASTM D5185(m)		<1	▲ 12	8
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	3	● 179	106
Lead	ppm	ASTM D5185(m)	>25	0	9	7
Copper	ppm	ASTM D5185(m)	>50	3	▲ 154	41
Tin	ppm	ASTM D5185(m)	>10	0	6	3
Vanadium	ppm	ASTM D5185(m)		0	<1	<1
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

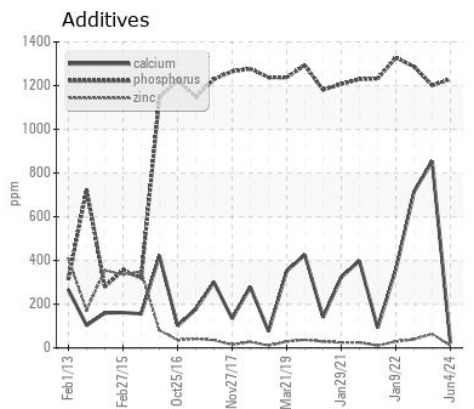
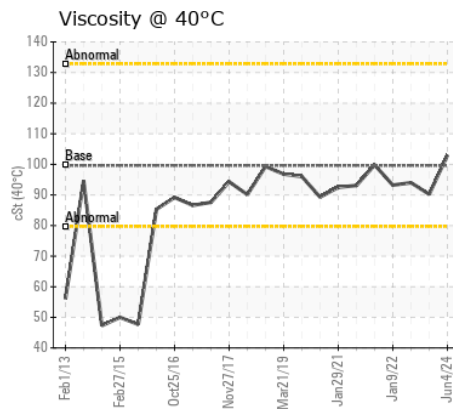
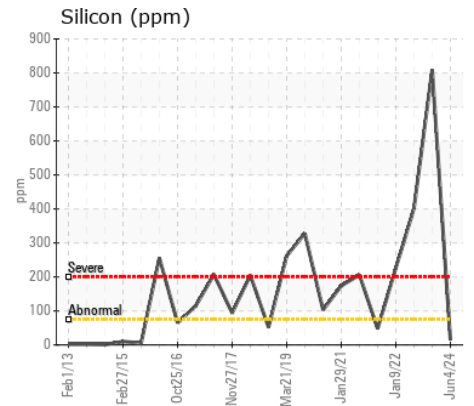
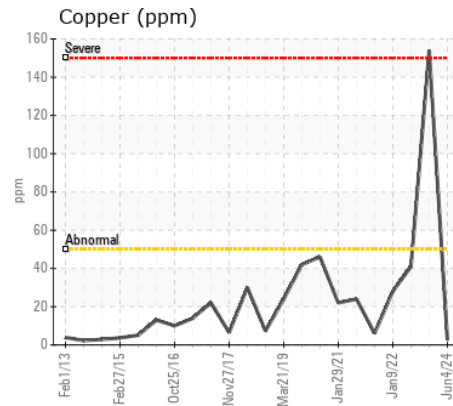
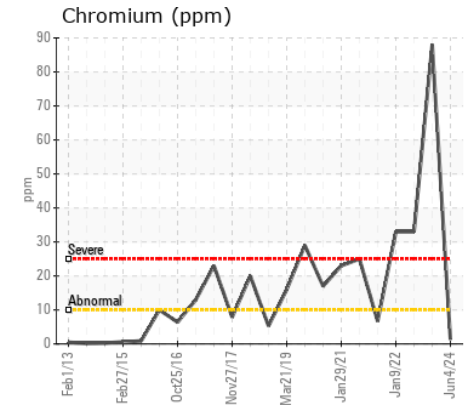
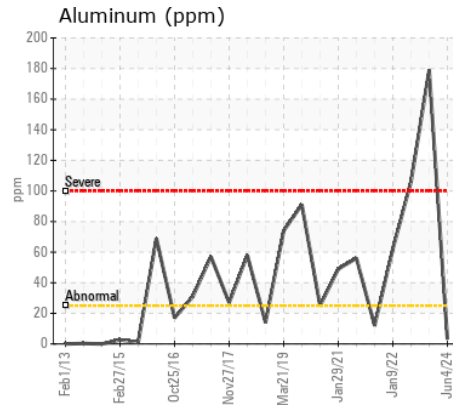
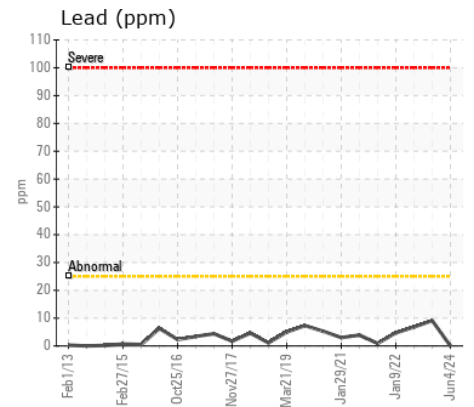
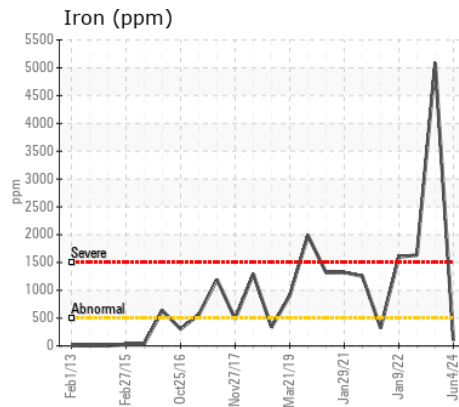
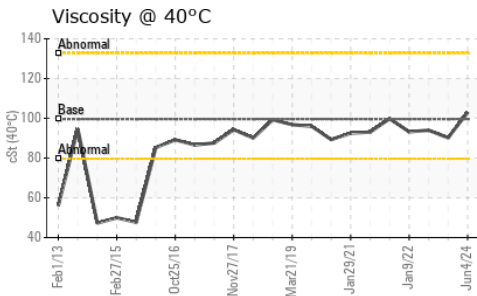
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	15	▲ 809	402
Potassium	ppm	ASTM D5185(m)	>20	1	55	28
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	VLITE	LIGHT
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*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		1	49	26
Boron	ppm	ASTM D5185(m)	328	311	355	266
Barium	ppm	ASTM D5185(m)	1	0	4	0
Molybdenum	ppm	ASTM D5185(m)		0	6	3
Manganese	ppm	ASTM D5185(m)		1	71	31
Magnesium	ppm	ASTM D5185(m)	1	4	102	73
Calcium	ppm	ASTM D5185(m)	7	25	854	714
Phosphorus	ppm	ASTM D5185(m)	1145	1230	1201	1287
Zinc	ppm	ASTM D5185(m)	3	10	64	39
Sulfur	ppm	ASTM D5185(m)	17909	20991	19583	20935
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	103	90.2	94.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0286861 **Received** : 06 Jun 2024
Lab Number : 02640322 **Tested** : 06 Jun 2024
Unique Number : 5789484 **Diagnosed** : 06 Jun 2024 - Wes Davis
Test Package : MOB 1

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.

GERDAU AMERISTEEL
 1 GERDAU COURT
 WHITBY, ON
 CA L1N 5T1
 Contact: Tyson Young
 tyoung@gerdauameristeel.com
 T: (905)668-8811
 F: (905)668-6469