

Area
MICHAUDVILLE

Machine Id
8509

Component
Hydraulic System

Fluid
PETRO CANADA PRODURO TO-4 SYNTHETIC ALL SEASON (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0083743	PC0082334	PC0066543
Sample Date		Client Info		19 Feb 2024	14 Nov 2023	08 Aug 2023
Machine Age	hrs	Client Info		6728	6586	6050
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>20	23	21	20
Chromium	ppm	ASTM D5185(m)	>10	1	1	2
Nickel	ppm	ASTM D5185(m)	>10	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>10	3	2	2
Lead	ppm	ASTM D5185(m)	>10	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>75	6	6	5
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

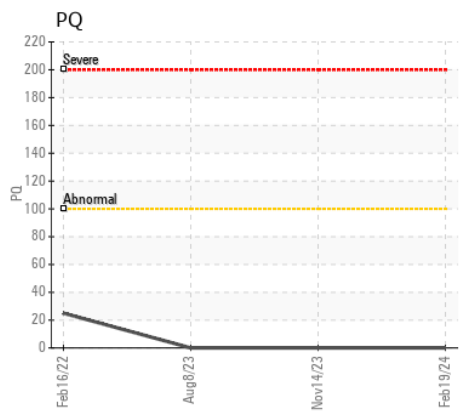
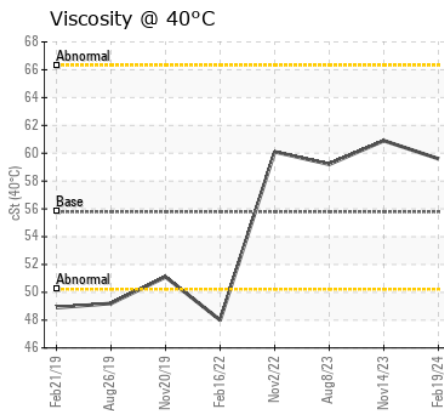
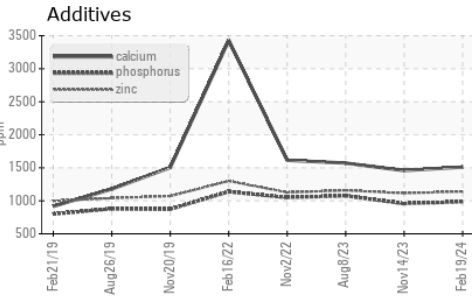
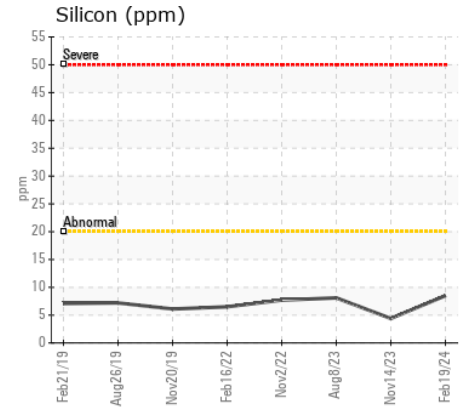
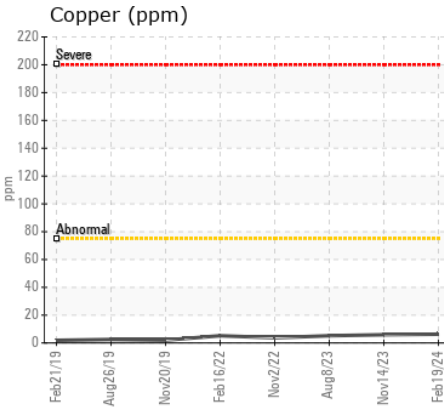
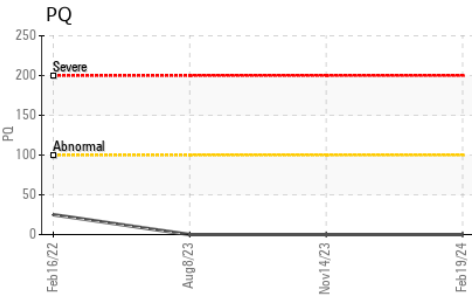
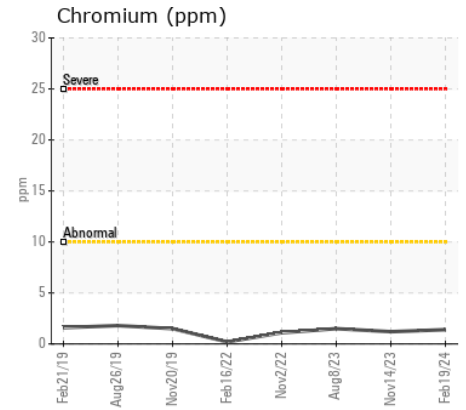
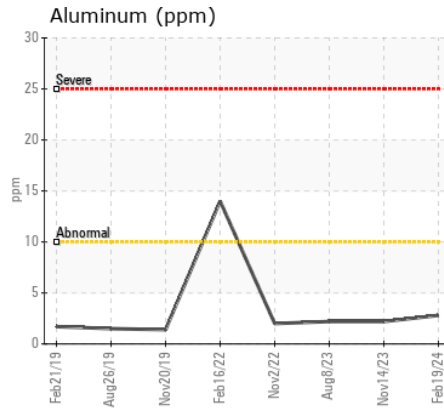
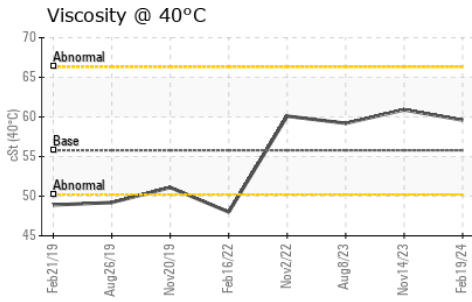
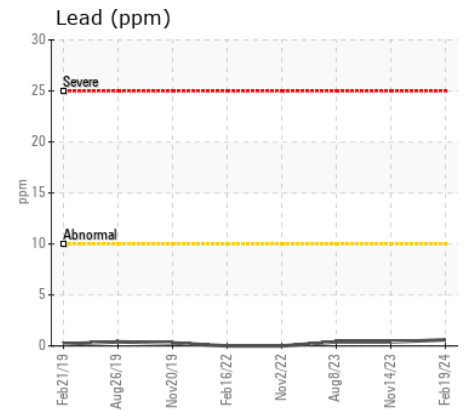
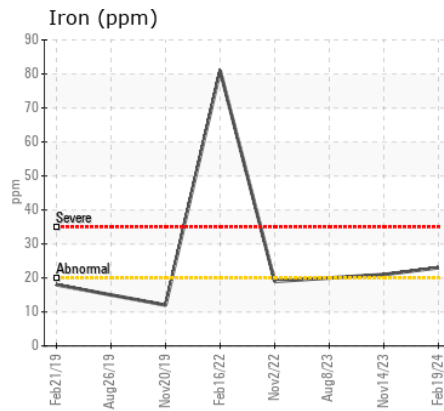
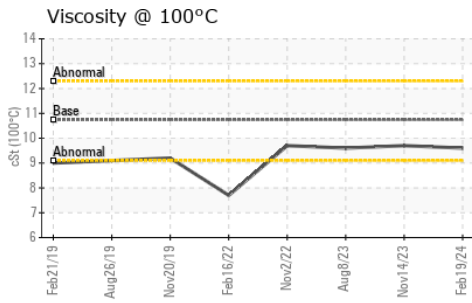
There is no indication of any contamination in the component(unconfirmed).

Silicon	ppm	ASTM D5185(m)	>20	8	4	8
Potassium	ppm	ASTM D5185(m)	>20	2	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	VLITE
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

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		3	2	3
Boron	ppm	ASTM D5185(m)	5	11	12	14
Barium	ppm	ASTM D5185(m)	0	14	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	39	39	38
Manganese	ppm	ASTM D5185(m)	1	0	0	<1
Magnesium	ppm	ASTM D5185(m)	10	626	617	599
Calcium	ppm	ASTM D5185(m)	3068	1511	1458	1571
Phosphorus	ppm	ASTM D5185(m)	1081	985	957	1076
Zinc	ppm	ASTM D5185(m)	1199	1139	1114	1158
Sulfur	ppm	ASTM D5185(m)	4636	2926	2626	2808
Visc @ 40°C	cSt	ASTM D7279(m)	55.79	59.6	60.9	59.2
Visc @ 100°C	cSt	ASTM D7279(m)	10.74	9.6	9.7	9.6
Viscosity Index (VI)	Scale	ASTM D2270*	187	144	142	145



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083743
Lab Number : 02616697
Unique Number : 5733807
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)
Received : 20 Feb 2024
Tested : 21 Feb 2024
Diagnosed : 21 Feb 2024 - Kevin Marson

LES ENTREPRISES MICHAUDVILLE INC.
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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.