



Machine Id
CATERPILLAR 980H 2231005
Component
Rear Differential
Fluid
PETRO CANADA DURATRAN (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088722	---	---
Sample Date		Client Info		30 Apr 2024	---	---
Machine Age	hrs	Client Info		21133	---	---
Oil Age	hrs	Client Info		300	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	16	---	---
Chromium	ppm	ASTM D5185(m)	>3	0	---	---
Nickel	ppm	ASTM D5185(m)	>3	0	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>30	2	---	---
Lead	ppm	ASTM D5185(m)	>13	0	---	---
Copper	ppm	ASTM D5185(m)	>103	2	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

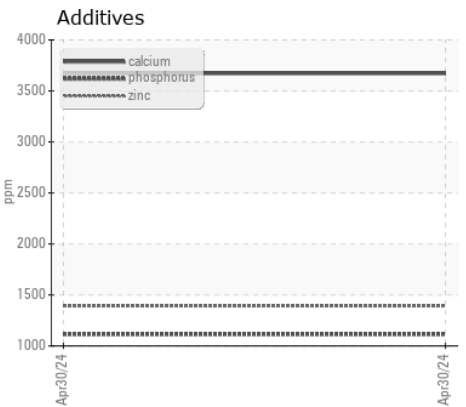
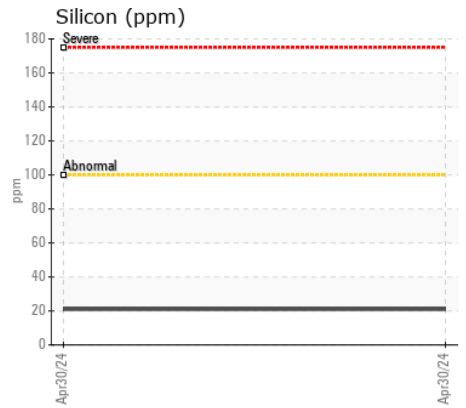
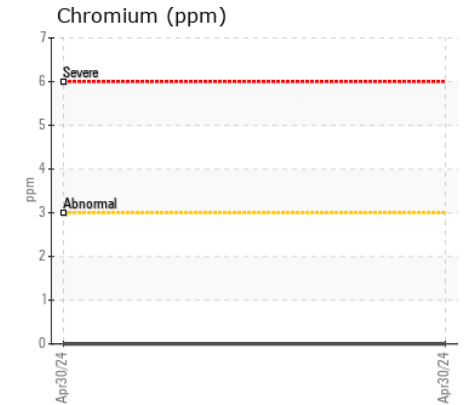
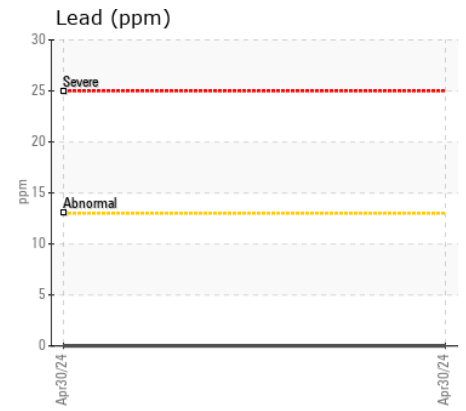
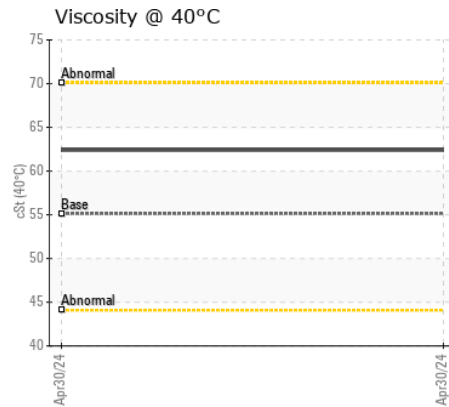
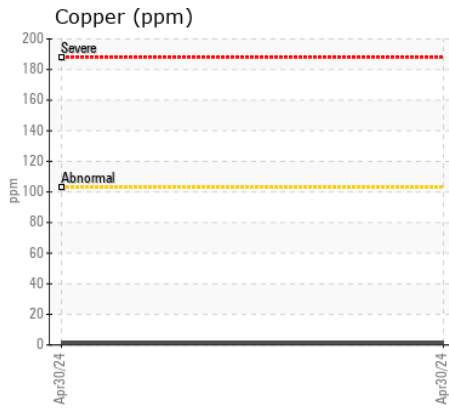
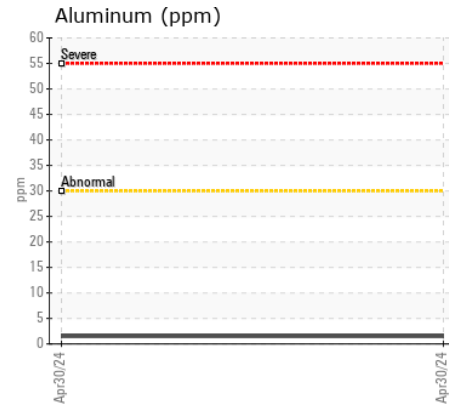
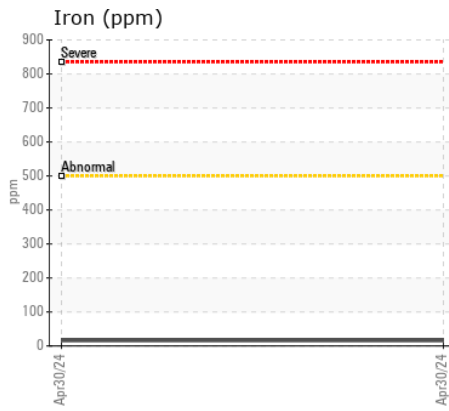
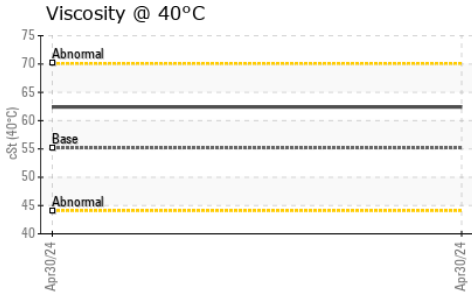
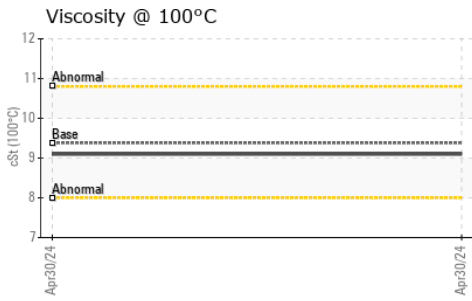
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>100	21	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)	110	89	---	---
Barium	ppm	ASTM D5185(m)	0.0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	0	---	---
Manganese	ppm	ASTM D5185(m)	1	<1	---	---
Magnesium	ppm	ASTM D5185(m)	13	28	---	---
Calcium	ppm	ASTM D5185(m)	3610	3672	---	---
Phosphorus	ppm	ASTM D5185(m)	1192	1115	---	---
Zinc	ppm	ASTM D5185(m)	1455	1390	---	---
Sulfur	ppm	ASTM D5185(m)	2641	7062	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	62.4	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	9.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	123	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088722 **Received** : 03 May 2024
Lab Number : 02633291 **Tested** : 03 May 2024
Unique Number : 5774444 **Diagnosed** : 03 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

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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