



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR R1600H SCP222
Component
Transmission (Manual)
Fluid
PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0920152	WC0902351	WC0886119
Sample Date		Client Info		10 Apr 2024	11 Mar 2024	30 Jan 2024
Machine Age	hrs	Client Info		1373	1077	828
Oil Age	hrs	Client Info		250	1077	828
Filter Age	hrs	Client Info		250	250	250
Oil Changed		Client Info		Not Changed	Changed	Not 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)	>200	11	19	17
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>7	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	2	2
Lead	ppm	ASTM D5185(m)	>45	<1	3	3
Copper	ppm	ASTM D5185(m)	>225	12	35	28
Tin	ppm	ASTM D5185(m)	>10	0	<1	<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

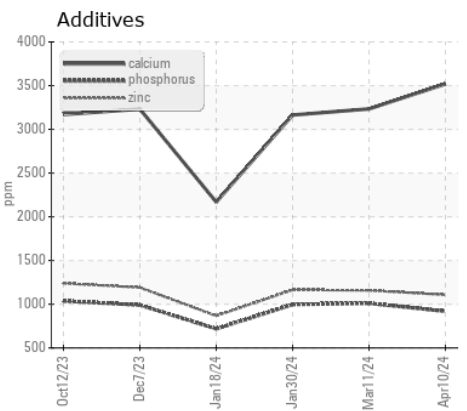
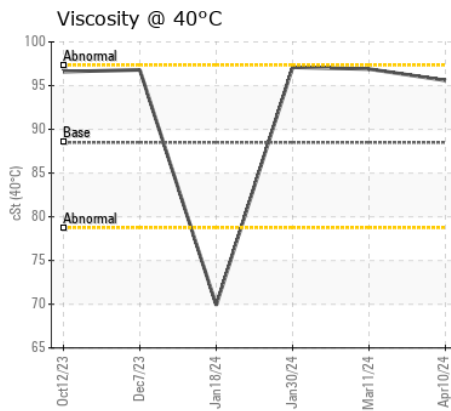
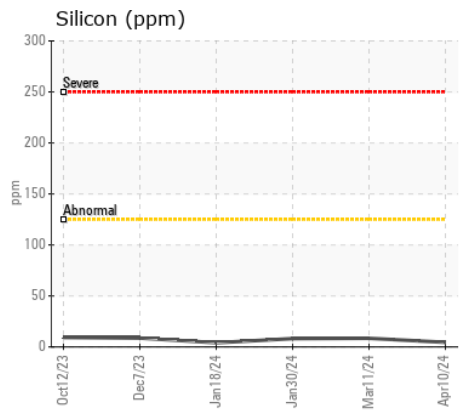
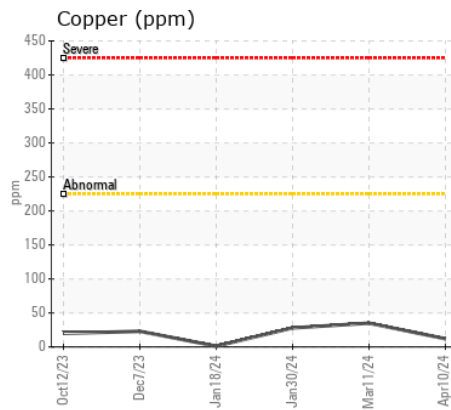
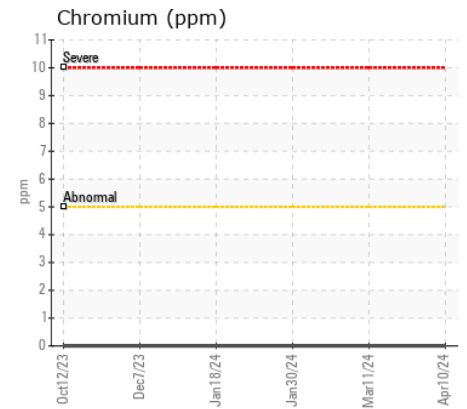
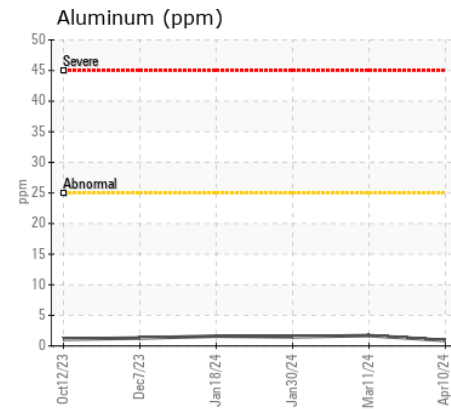
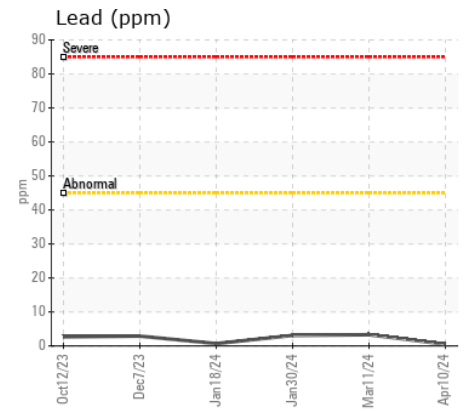
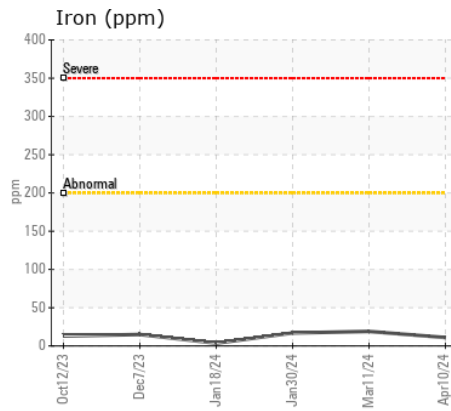
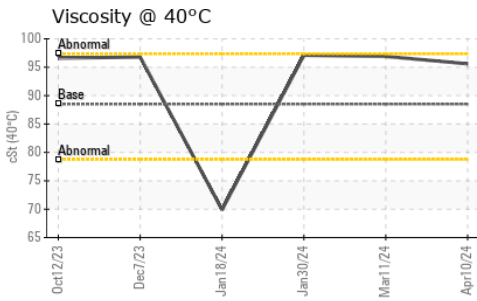
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	4	8	8
Potassium	ppm	ASTM D5185(m)	>20	<1	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
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)		1	4	3
Boron	ppm	ASTM D5185(m)	2	<1	2	2
Barium	ppm	ASTM D5185(m)	0	<1	2	2
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	9	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1	9	11	11
Calcium	ppm	ASTM D5185(m)	3131	3519	3234	3164
Phosphorus	ppm	ASTM D5185(m)	1194	919	1011	997
Zinc	ppm	ASTM D5185(m)	1281	1107	1159	1164
Sulfur	ppm	ASTM D5185(m)	3811	8039	3777	3755
Visc @ 40°C	cSt	ASTM D7279(m)	88.5	95.6	96.9	97.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0920152
Lab Number : 02628515
Unique Number : 5761647
Test Package : MOB 1
Received : 12 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 12 Apr 2024 - Wes Davis

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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.