

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
[70054]
 Machine Id
WL157
 Component
Front Right Final Drive
 Fluid
PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Sampled only, new purchase)

Wear

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0109304	---	---
Sample Date	Client Info	19 Mar 2024	---	---
Machine Age	hrs Client Info	16803	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	321	---	---
Chromium	ppm ASTM D5185m >10	2	---	---
Nickel	ppm ASTM D5185m >10	4	---	---
Titanium	ppm ASTM D5185m	1	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >25	16	---	---
Lead	ppm ASTM D5185m >25	1	---	---
Copper	ppm ASTM D5185m >50	▲ 176	---	---
Tin	ppm ASTM D5185m >10	1	---	---
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	0	---	---
Barium	ppm ASTM D5185m 0	1	---	---
Molybdenum	ppm ASTM D5185m 0	1	---	---
Manganese	ppm ASTM D5185m 0	4	---	---
Magnesium	ppm ASTM D5185m 9	11	---	---
Calcium	ppm ASTM D5185m 3114	3242	---	---
Phosphorus	ppm ASTM D5185m 1099	1104	---	---
Zinc	ppm ASTM D5185m 1245	1270	---	---
Sulfur	ppm ASTM D5185m 7086	15529	---	---

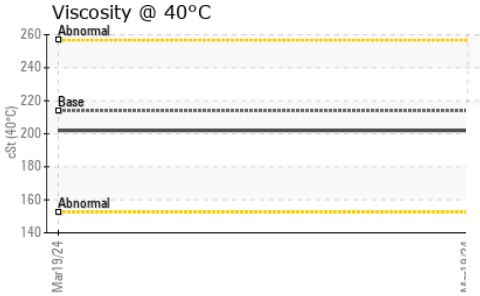
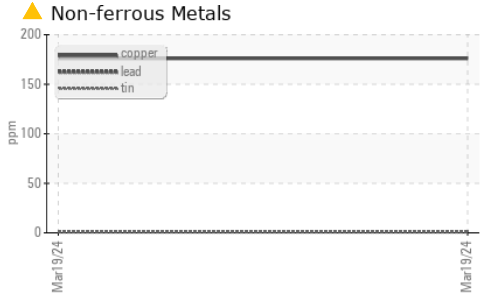
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	30	---	---
Sodium	ppm ASTM D5185m	18	---	---
Potassium	ppm ASTM D5185m >20	3	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	---	---
Yellow Metal	scalar *Visual NONE	NONE	---	---
Precipitate	scalar *Visual NONE	NONE	---	---
Silt	scalar *Visual NONE	NONE	---	---
Debris	scalar *Visual NONE	NONE	---	---
Sand/Dirt	scalar *Visual NONE	NONE	---	---
Appearance	scalar *Visual NORML	NORML	---	---
Odor	scalar *Visual NORML	NORML	---	---
Emulsified Water	scalar *Visual >0.2	NEG	---	---
Free Water	scalar *Visual	NEG	---	---

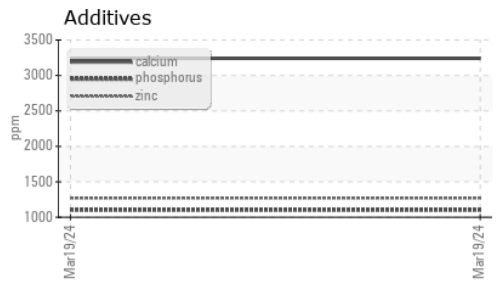
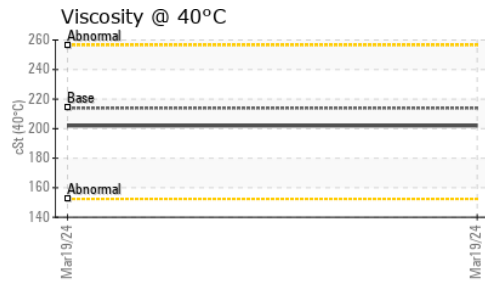
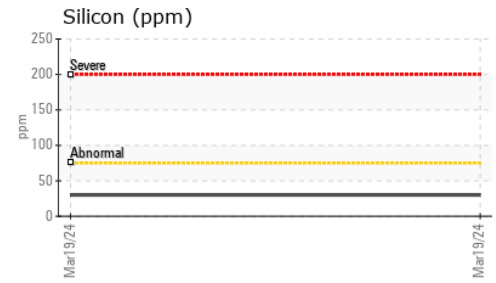
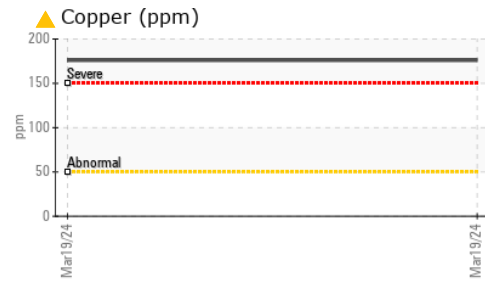
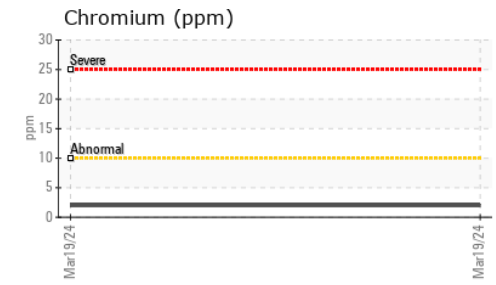
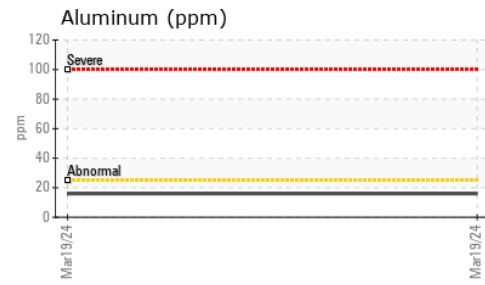
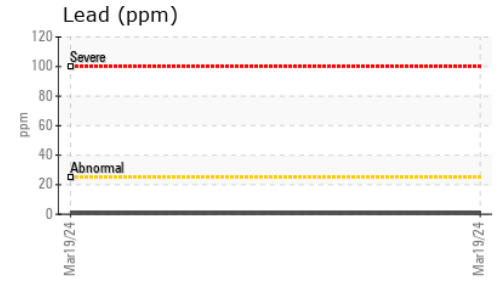
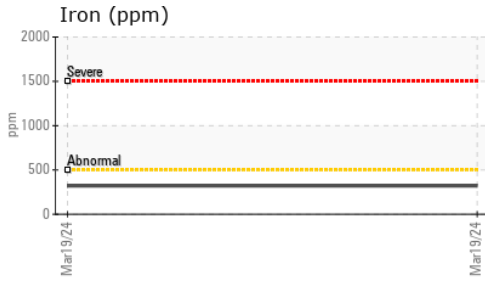
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	213.9	202	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109304
Lab Number : **06128920**
Unique Number : 10943071
Test Package : MOB 1

Kemp Quarries - Pryor Stone - Pryor
 1050 E 520 Rd
 Pryor, OK
 US 74361
 Contact:
 pryor@pryorstone.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)