

OIL ANALYSIS REPORT

Sample Rating Trend

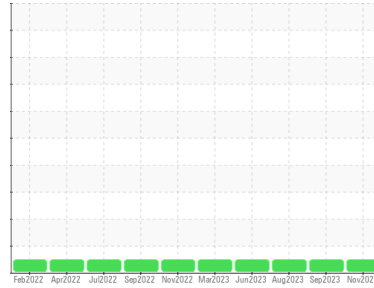
NORMAL



Area
[67470]
Machine Id
WL149

Component
Rear Right Final Drive
Fluid

PETRO CANADA DURATRAN ALL-SEASON (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Pm1 performed. All oil samples taken. Engine oil, engine oil filters, fuel, air, and cabin air filters changed.)

Wear

All 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	PCA0084347	PCA0084293	PCA0084210
Sample Date	Client Info	28 Nov 2023	22 Sep 2023	01 Aug 2023
Machine Age	hrs	9324	8861	8481
Oil Age	hrs	463	1977	1597
Oil Changed	Client Info	Oil Added	Changed	Oil Added
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	57	35	29
Chromium	ppm ASTM D5185m >10	<1	<1	<1
Nickel	ppm ASTM D5185m >10	0	0	0
Titanium	ppm ASTM D5185m	<1	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	2	<1	4
Lead	ppm ASTM D5185m >25	0	<1	0
Copper	ppm ASTM D5185m >50	0	0	0
Tin	ppm ASTM D5185m >10	0	0	<1
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	97	117	120
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	46	<1	0
Manganese	ppm ASTM D5185m	0	<1	<1
Magnesium	ppm ASTM D5185m	28	29	25
Calcium	ppm ASTM D5185m	3038	3345	3778
Phosphorus	ppm ASTM D5185m	1056	1089	1164
Zinc	ppm ASTM D5185m	1323	1374	1479
Sulfur	ppm ASTM D5185m	2993	3228	3986

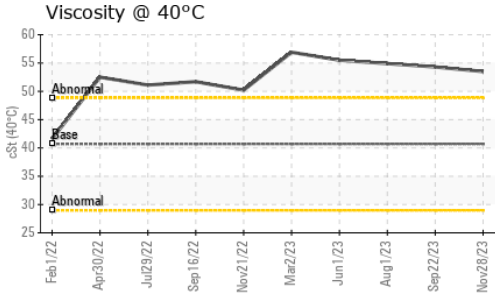
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	23	16	16
Sodium	ppm ASTM D5185m	0	<1	<1
Potassium	ppm ASTM D5185m >20	2	0	0

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	NONE	NONE	NONE
Debris	scalar *Visual NONE	NONE	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 >0.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

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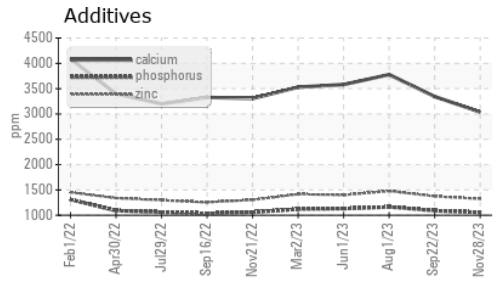
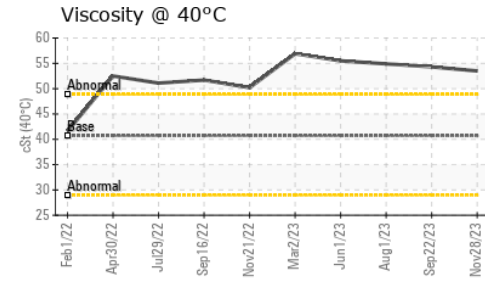
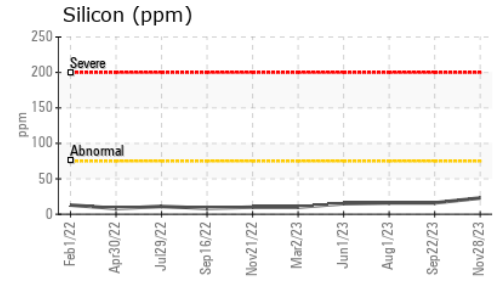
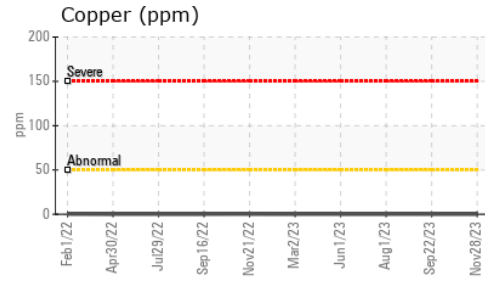
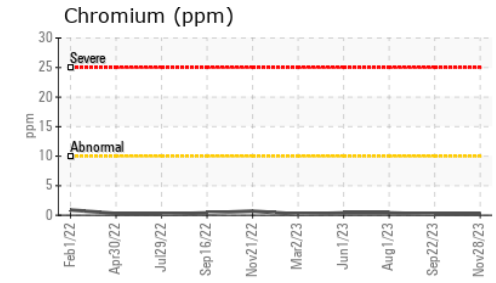
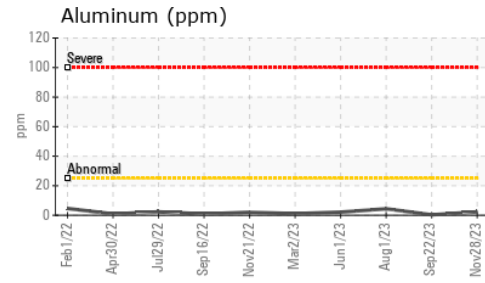
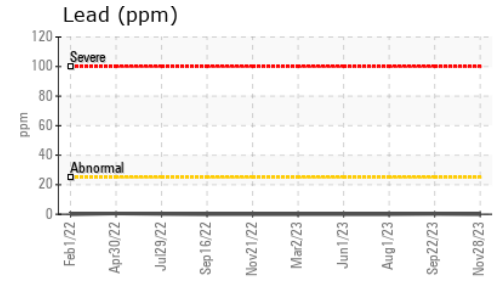
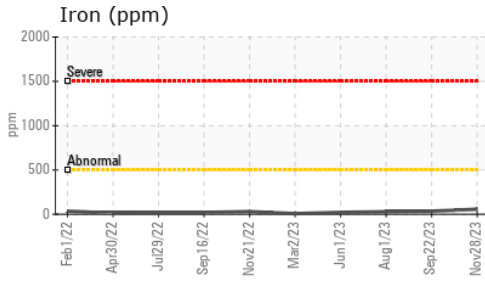


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	40.7	53.5	54.3	54.9

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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. : PCA0084347 **Received** : 19 Dec 2023
Lab Number : 06039731 **Diagnosed** : 21 Dec 2023
Unique Number : 10794960 **Diagnostician** : Jonathan Hester
Test Package : MOB 1

Kemp Quarries - Pryor Stone - Pryor
 1050 E 520 Rd
 Pryor, OK
 US 74361
 Contact:

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)

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