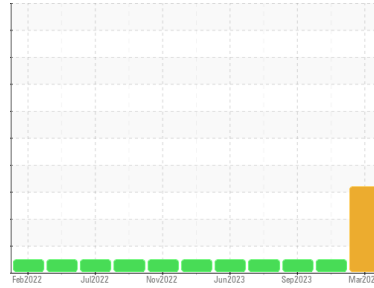


# OIL ANALYSIS REPORT

Sample Rating Trend



Area  
**[68688]**  
 Machine Id  
**WL149**  
 Component  
**Rear Left Final Drive**  
 Fluid  
**PETRO CANADA DURATRAN ALL-SEASON (--- GAL)**

## DIAGNOSIS

- Recommendation**  
 We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. ( Customer Sample Comment: Pm2 performed. All oil samples taken. Engine oil, transmission oil, and all filters changed. )
- Wear**  
 Gear wear is indicated.
- Contamination**  
 Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.
- 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	<b>PCA0086605</b>	PCA0084346	PCA0084292
Sample Date	Client Info	<b>09 Mar 2024</b>	28 Nov 2023	22 Sep 2023
Machine Age	hrs	<b>9946</b>	9324	8861
Oil Age	hrs	<b>1075</b>	463	1977
Oil Changed	Client Info	<b>Oil Added</b>	Changed	Changed
Sample Status		<b>ABNORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	<b>▲ 491</b>	56	34
Chromium	ppm ASTM D5185m >10	<b>4</b>	<1	<1
Nickel	ppm ASTM D5185m >10	<b>2</b>	0	0
Titanium	ppm ASTM D5185m	<b>2</b>	<1	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>● 26</b>	2	<1
Lead	ppm ASTM D5185m >25	<b>1</b>	0	0
Copper	ppm ASTM D5185m >50	<b>1</b>	0	0
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	0	0
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>119</b>	97	116
Barium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>409</b>	45	<1
Manganese	ppm ASTM D5185m	<b>4</b>	0	<1
Magnesium	ppm ASTM D5185m	<b>41</b>	28	29
Calcium	ppm ASTM D5185m	<b>3383</b>	3008	3339
Phosphorus	ppm ASTM D5185m	<b>1217</b>	1062	1084
Zinc	ppm ASTM D5185m	<b>1469</b>	1318	1365
Sulfur	ppm ASTM D5185m	<b>4727</b>	3027	3199

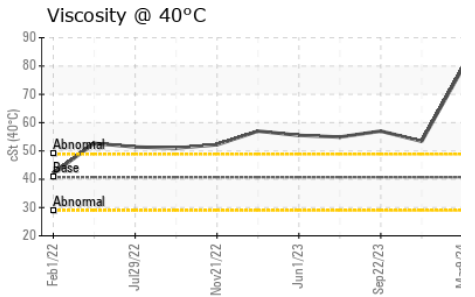
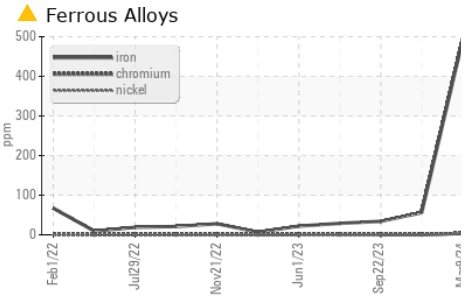
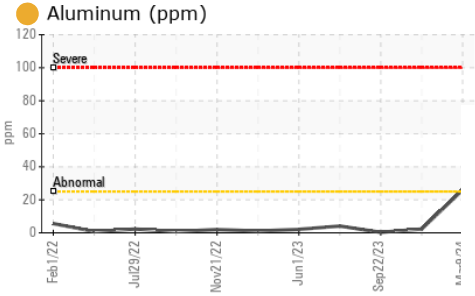
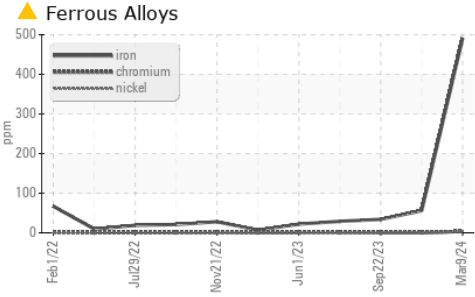
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>▲ 197</b>	22	16
Sodium	ppm ASTM D5185m	<b>6</b>	0	<1
Potassium	ppm ASTM D5185m >20	<b>20</b>	2	0

## VISUAL

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

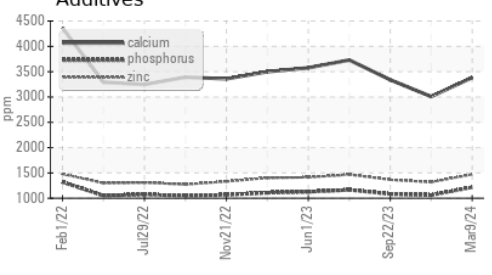
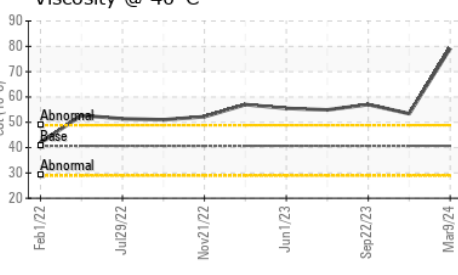
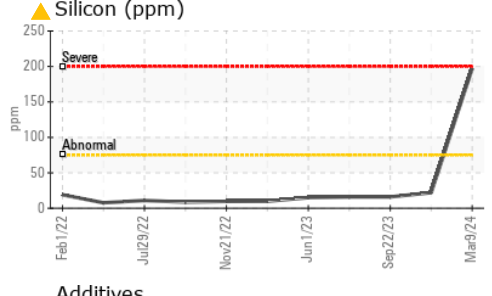
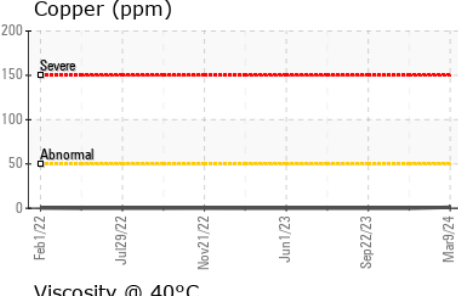
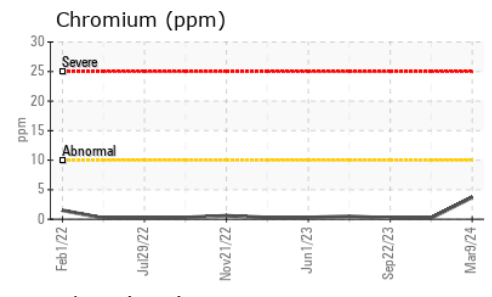
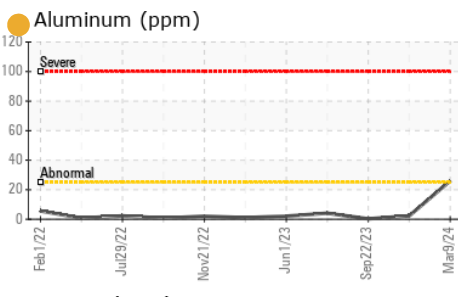
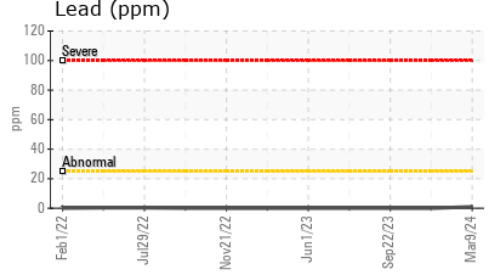
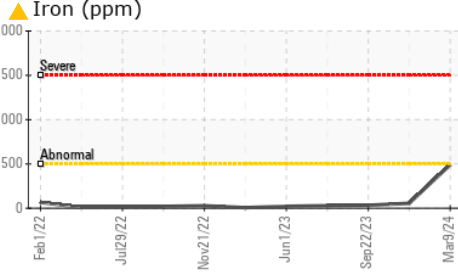
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	40.7	<b>79.2</b>	53.4	57.0

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0086605  
**Lab Number** : 06128235  
**Unique Number** : 10942386  
**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)