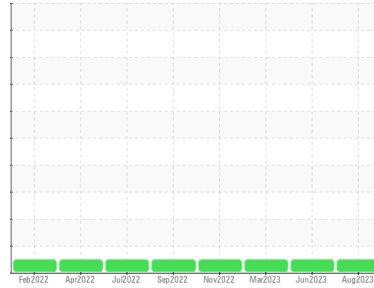


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[65334]**  
 Machine Id  
**WL149**  
 Component  
**Front Right Final Drive**  
 Fluid  
**PETRO CANADA DURATRAN ALL-SEASON (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Pm3 performed. All oil samples taken. Engine oil, and all 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	<b>PCA0084206</b>	PCA0084006	PCA0086193	
Sample Date	Client Info	<b>01 Aug 2023</b>	01 Jun 2023	02 Mar 2023	
Machine Age	hrs	Client Info	<b>8481</b>	8070	7494
Oil Age	hrs	Client Info	<b>6884</b>	1186	610
Oil Changed	Client Info	<b>Oil Added</b>	Oil Added	Oil Added	
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL	

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	<b>25</b>	20	10
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>4</b>	2	1
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>0</b>	0	0
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<b>121</b>	123	132
Barium	ppm	ASTM D5185m	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	1	1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>26</b>	25	29
Calcium	ppm	ASTM D5185m	<b>3679</b>	3609	3500
Phosphorus	ppm	ASTM D5185m	<b>1162</b>	1140	1105
Zinc	ppm	ASTM D5185m	<b>1452</b>	1425	1405
Sulfur	ppm	ASTM D5185m	<b>3978</b>	3663	3935

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >75	<b>12</b>	12	11
Sodium	ppm	ASTM D5185m	<b>1</b>	0	1
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	0

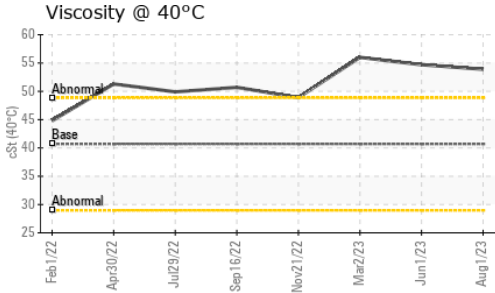
## VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	<b>NONE</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

## FLUID PROPERTIES

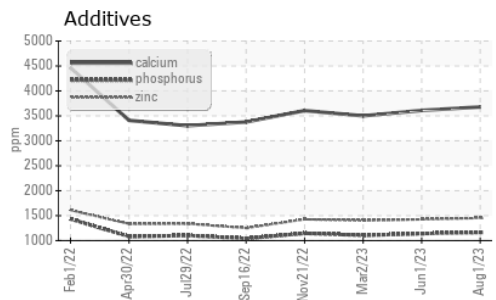
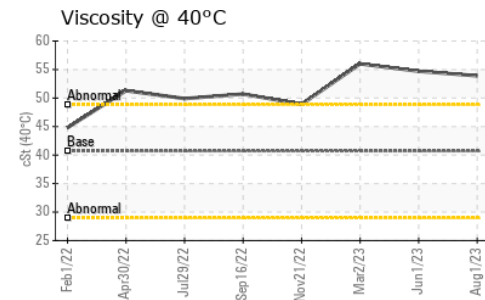
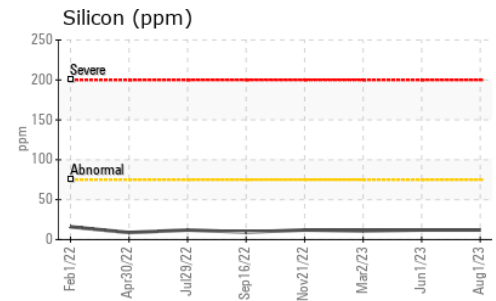
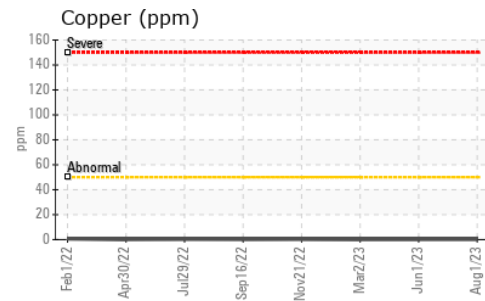
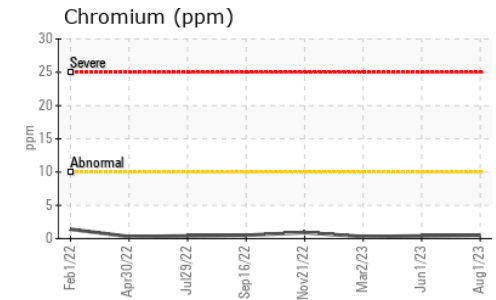
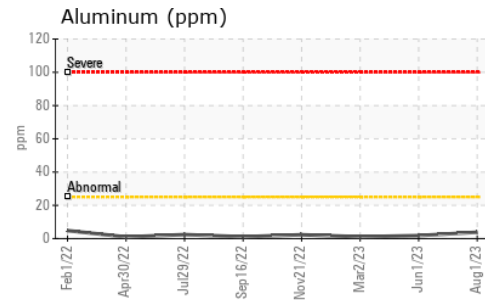
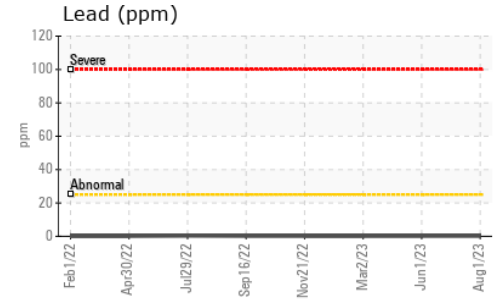
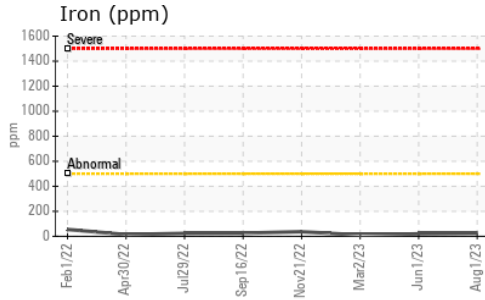
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 40.7	<b>53.9</b>	54.7	56.0

# OIL ANALYSIS REPORT



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.** : PCA0084206 **Received** : 25 Aug 2023  
**Lab Number** : 05935695 **Diagnosed** : 28 Aug 2023  
**Unique Number** : 10620966 **Diagnostician** : Don Baldrige  
**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)

T:  
F: