



# OIL ANALYSIS REPORT

Sample Rating Trend

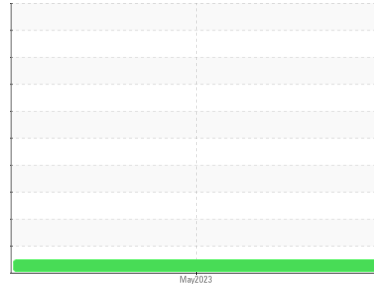
**NORMAL**



Machine Id  
**KUBOTA R420 OR88**

Component  
**Front Differential**

Fluid  
**PETRO CANADA TRAXON 75W90 SYNTHETIC (--- LTR)**



## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. 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>GFL0082108</b>	---	---
Sample Date	Client Info		<b>09 May 2023</b>	---	---
Machine Age	hrs	Client Info	<b>4321</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	<b>298</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>3</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>6</b>	---	---
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >100	<b>1</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

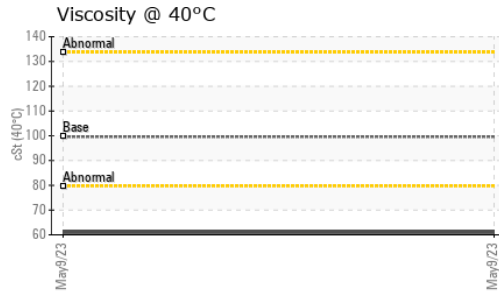
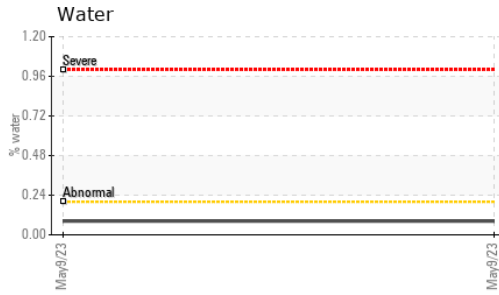
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 328	<b>58</b>	---	---
Barium	ppm	ASTM D5185(m) 1	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>8</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185(m) 1	<b>99</b>	---	---
Calcium	ppm	ASTM D5185(m) 7	<b>1838</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1145	<b>1046</b>	---	---
Zinc	ppm	ASTM D5185(m) 3	<b>921</b>	---	---
Sulfur	ppm	ASTM D5185(m) 17909	<b>6395</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>23</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>10</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>5</b>	---	---
Water	%	ASTM D6304* >.2	<b>0.083</b>	---	---
ppm Water	ppm	ASTM D6304* >2000	<b>839.5</b>	---	---



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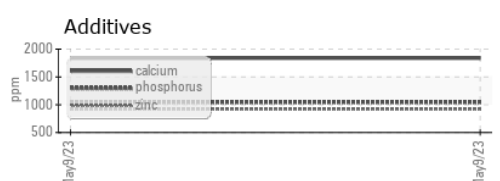
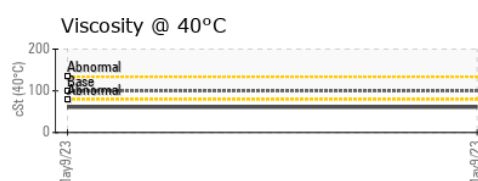
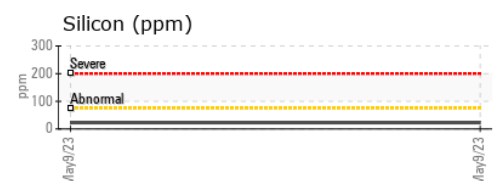
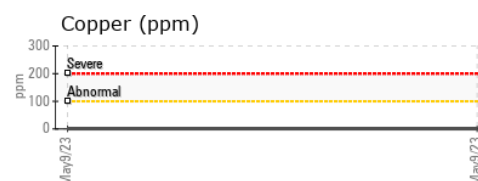
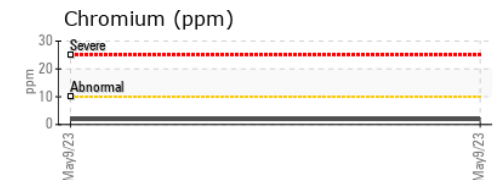
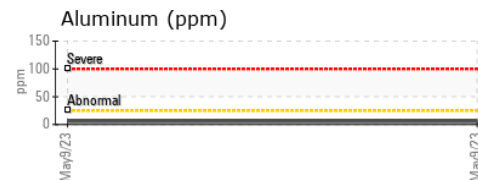
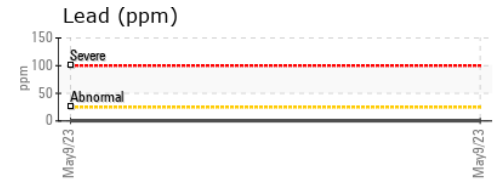
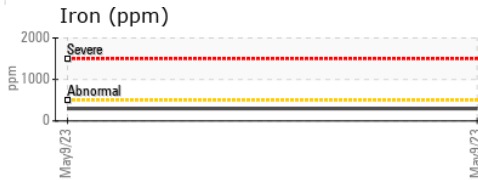
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	.2%	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	61.0	---

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

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0082108 **Received** : 30 Aug 2023  
**Lab Number** : 02579473 **Diagnosed** : 31 Aug 2023  
**Unique Number** : 5632533 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KF )

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.

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