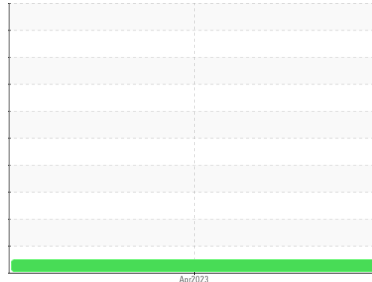


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id

**U1-6**

Component

**Hydraulic System**

Fluid

**PETRO CANADA PURITY FG HYDRAULIC AW 68 (700 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PC0062079</b>	---	---
Sample Date	Client Info		<b>01 Apr 2023</b>	---	---
Machine Age	hrs	Client Info	<b>74251</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<b>0</b>	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	---
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>0</b>	---
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	---
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	---
Antimony	ppm	ASTM D5185(m)		<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)		<b>&lt;1</b>	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	---
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Phosphorus	ppm	ASTM D5185(m)		<b>441</b>	---
Zinc	ppm	ASTM D5185(m)		<b>3</b>	---
Sulfur	ppm	ASTM D5185(m)		<b>407</b>	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	---
Sodium	ppm	ASTM D5185(m)		<b>0</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---

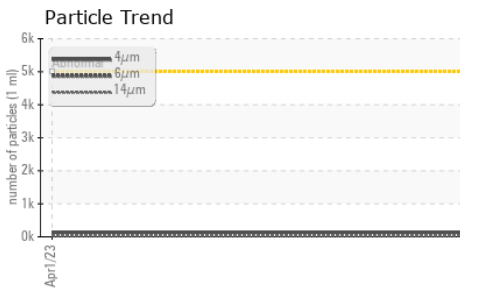
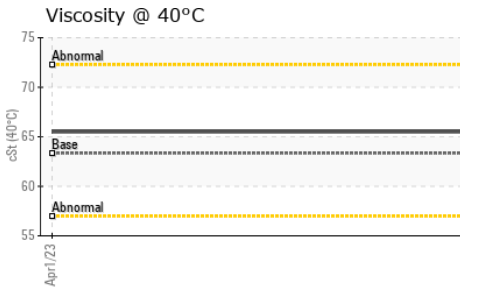
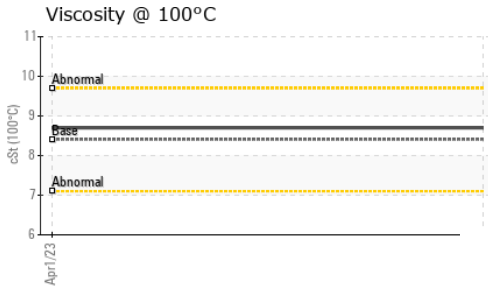
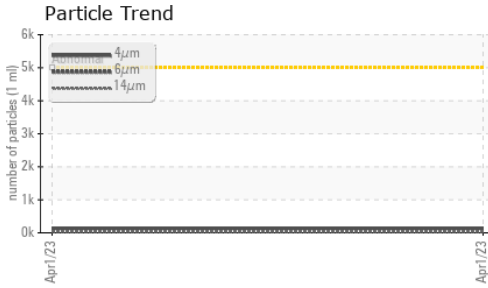
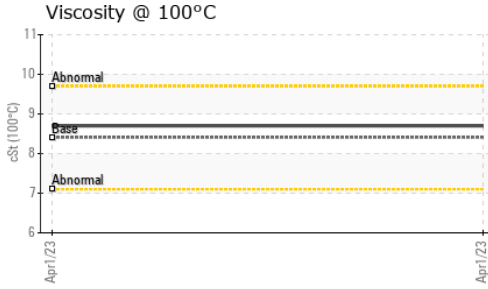
## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>134</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>89</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>30</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>7</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>14/14/12</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.26	<b>0.16</b>	---

# OIL ANALYSIS REPORT



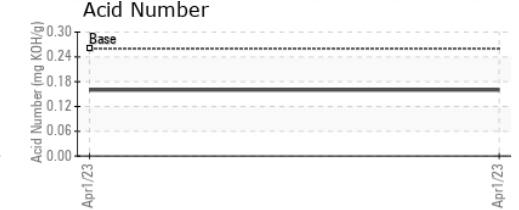
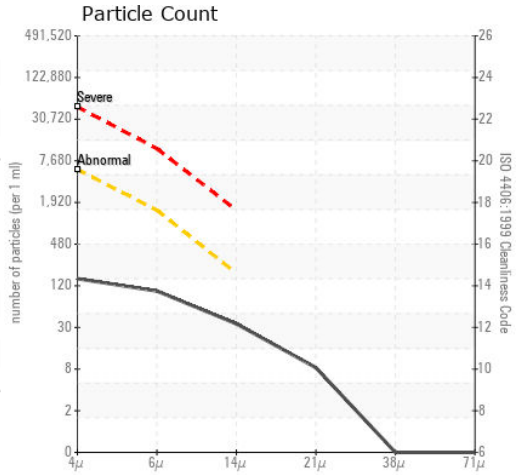
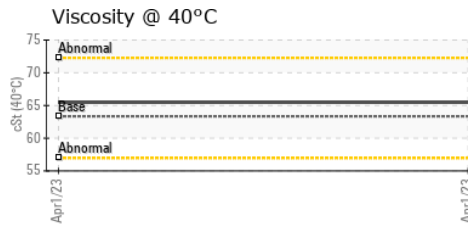
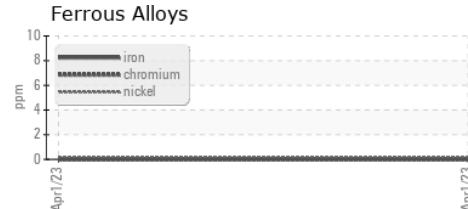
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	63.34	65.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.409	8.7	---
Viscosity Index (VI)	Scale	ASTM D2270*	102	104	---

## SAMPLE IMAGES

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0062079 **Received** : 12 Jul 2023  
**Lab Number** : 02569372 **Diagnosed** : 13 Jul 2023  
**Unique Number** : 5606418 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KV100, VI )

**North America IML Container**  
 2625, Route 344  
 St. Placide, QC  
 CA J0V 2B0  
 Contact: Sebastien Brisson  
 sbrisson@iml.ca  
 T: (450)258-2262  
 F: (450)258-3345

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.