



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**City Of Mount Pearl**  
 Machine Id  
**INTERNATIONAL Flyer/Salter, 21-19D**  
 Component  
**Hydraulic System**  
 Fluid  
**PETRO CANADA HYDREX AW 32 (239 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>OF0000532</b>	OF0000229	---
Sample Date		Client Info		<b>30 May 2022</b>	14 Oct 2021	---
Machine Age	hrs	Client Info		<b>782</b>	782	---
Oil Age	hrs	Client Info		<b>782</b>	47	---
Filter Age	hrs	Client Info		<b>194</b>	47	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	ATTENTION	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Lead	ppm	ASTM D5185(m)	>10	<b>3</b>	2	---
Copper	ppm	ASTM D5185(m)	>75	<b>2</b>	<1	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

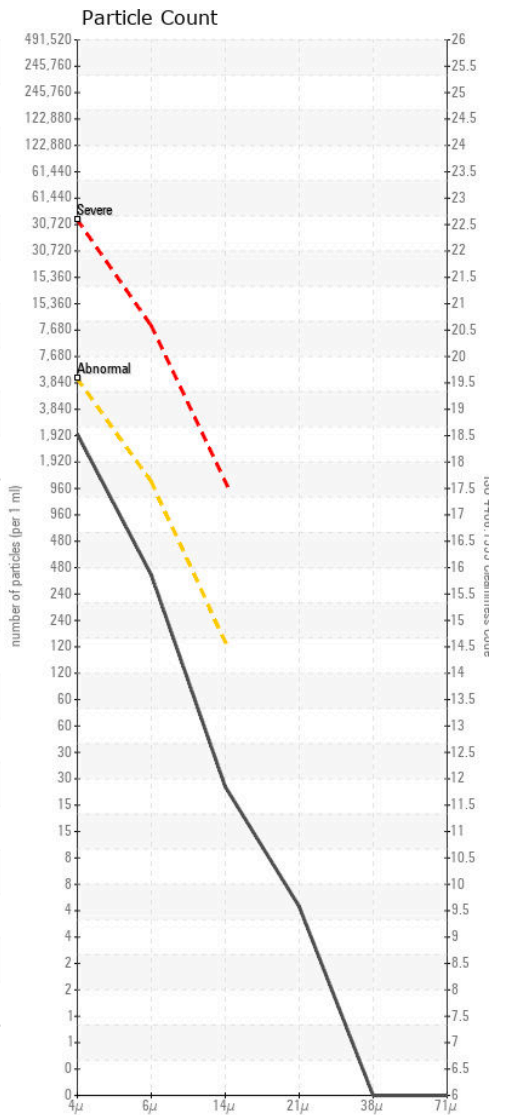
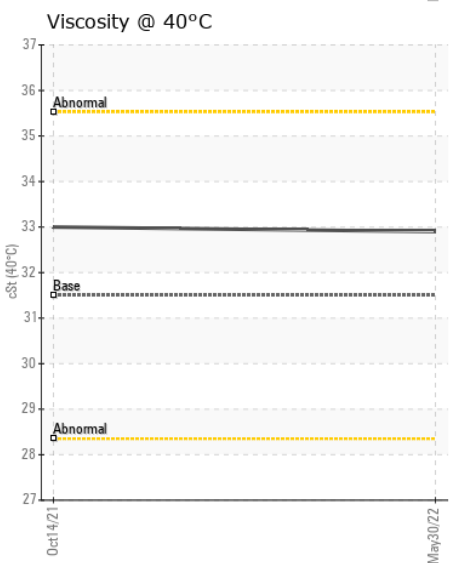
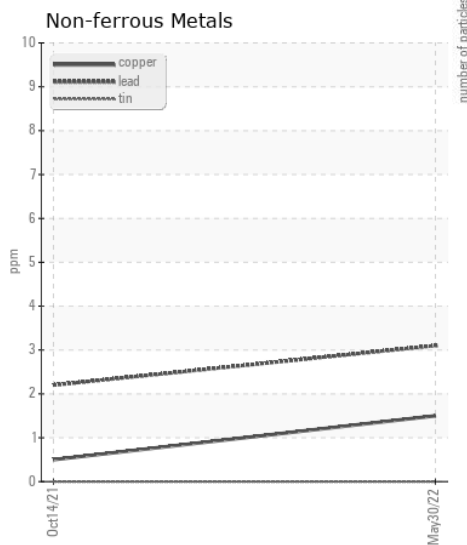
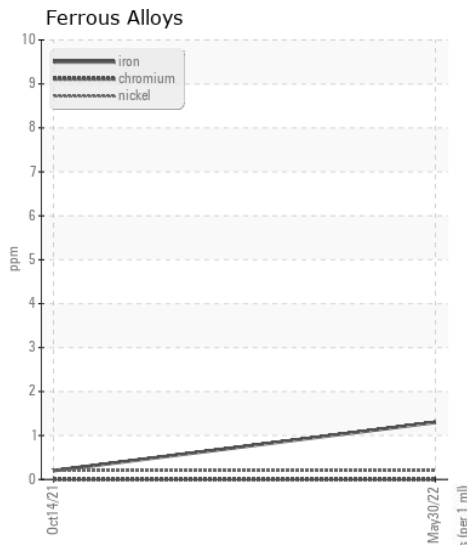
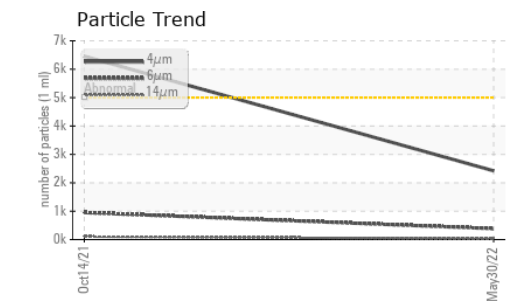
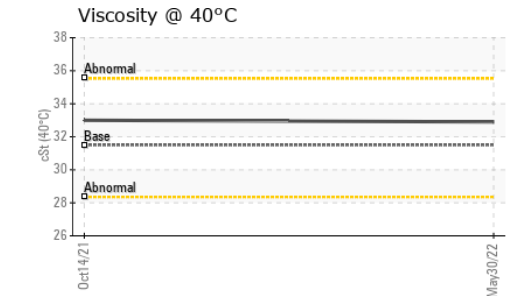
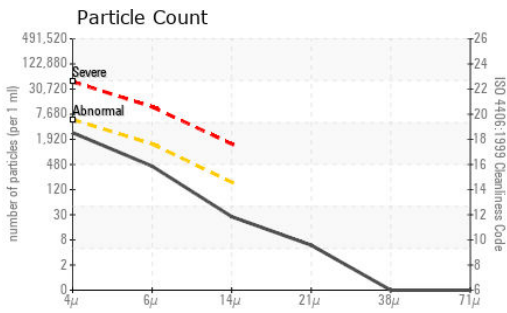
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>2421</b>	6456	---
Particles >6µm		ASTM D7647	>1300	<b>384</b>	951	---
Particles >14µm		ASTM D7647	>160	<b>24</b>	105	---
Particles >21µm		ASTM D7647	>40	<b>5</b>	32	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	4	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/16/12</b>	20/17/14	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Boron	ppm	ASTM D5185(m)	0	<b>1</b>	<1	---
Barium	ppm	ASTM D5185(m)	0	<b>4</b>	6	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	0	<b>7</b>	0	---
Calcium	ppm	ASTM D5185(m)	50	<b>19</b>	6	---
Phosphorus	ppm	ASTM D5185(m)	330	<b>415</b>	424	---
Zinc	ppm	ASTM D5185(m)	430	<b>427</b>	445	---
Sulfur	ppm	ASTM D5185(m)	760	<b>951</b>	911	---
Visc @ 40°C	cSt	ASTM D7279(m)	31.5	<b>32.9</b>	33.0	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : OF0000532 **Received** : 13 Jun 2022  
**Lab Number** : **02494493** **Tested** : 14 Jun 2022  
**Unique Number** : 5411452 **Diagnosed** : 14 Jun 2022 - Wes Davis  
**Test Package** : MOB 2

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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.