



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area  
**City Of Mount Pearl**  
Machine Id  
**INTERNATIONAL Flyer/Salter, 21-22D**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX AW 32 (239 LTR)**

**RECOMMENDATION**

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>OF0000831</b>	OF0000536	OF0000233
Sample Date		Client Info		<b>17 Jun 2024</b>	30 May 2022	22 Sep 2021
Machine Age	hrs	Client Info		<b>3434</b>	917	113
Oil Age	hrs	Client Info		<b>3434</b>	917	113
Filter Age	hrs	Client Info		<b>2000</b>	917	113
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>ATTENTION</b>	ATTENTION	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	<b>9</b>	2	0
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<b>2</b>	1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

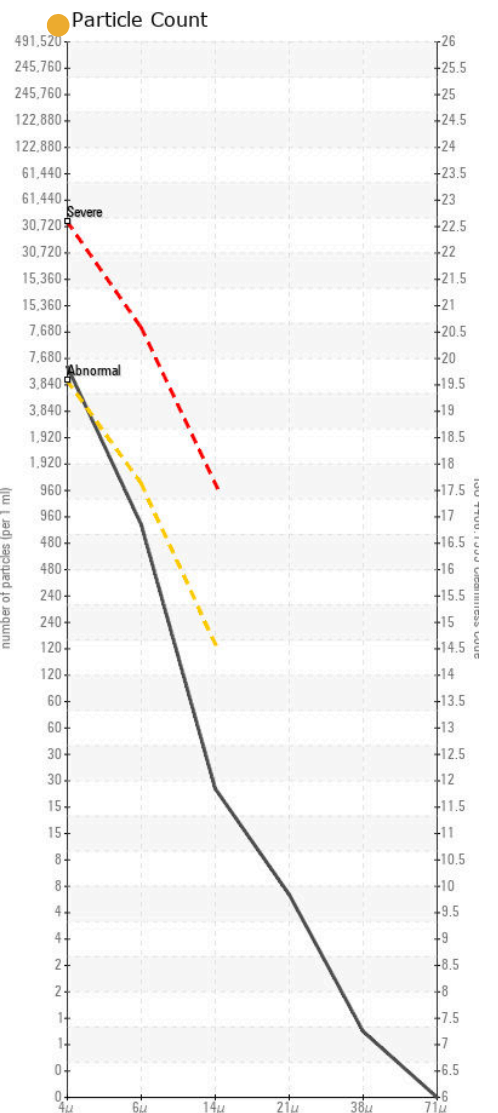
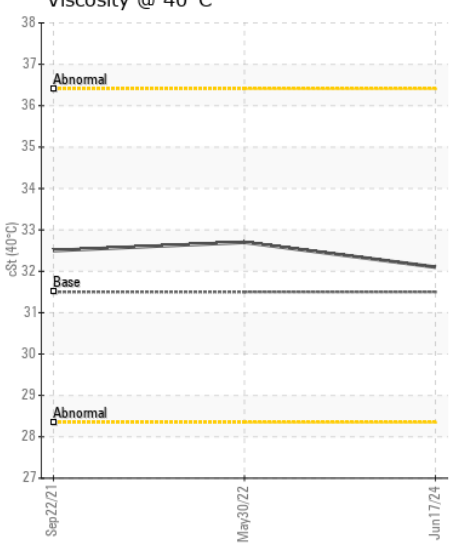
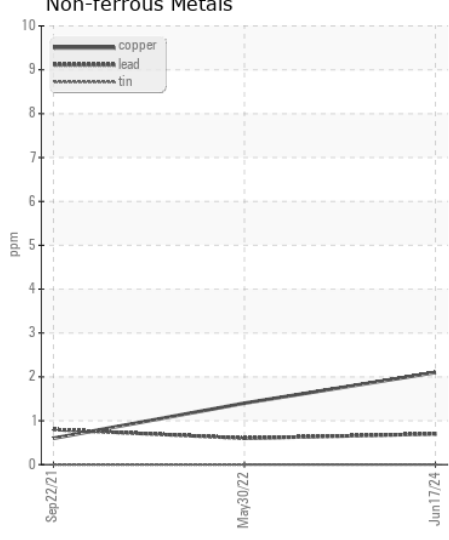
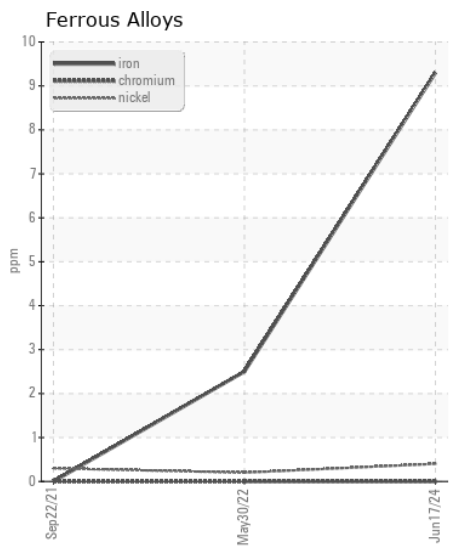
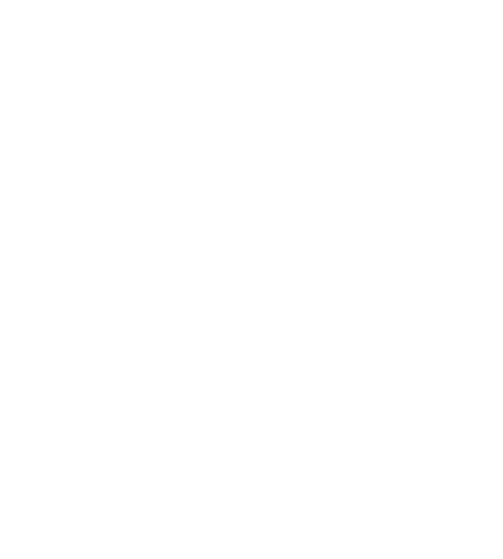
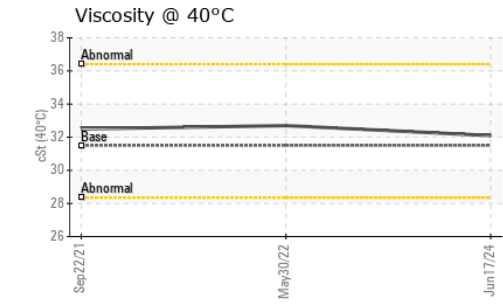
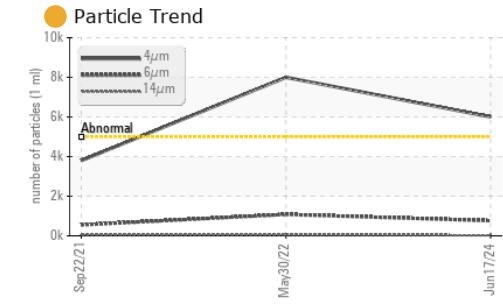
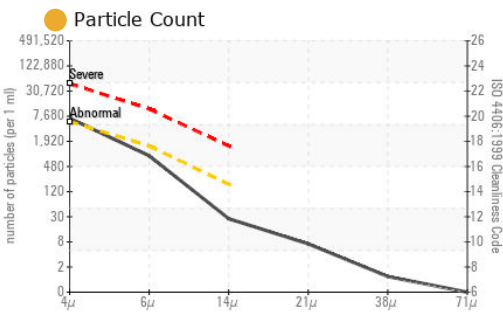
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>6004</b>	8000	3797
Particles >6µm		ASTM D7647	>1300	<b>760</b>	1079	551
Particles >14µm		ASTM D7647	>160	<b>24</b>	51	52
Particles >21µm		ASTM D7647	>40	<b>6</b>	9	14
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	2
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/17/12</b>	20/17/13	19/16/13
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*	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	<1	<1
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	2	<1
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	2	5
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	0	<b>35</b>	23	<1
Calcium	ppm	ASTM D5185(m)	50	<b>76</b>	44	4
Phosphorus	ppm	ASTM D5185(m)	330	<b>368</b>	400	415
Zinc	ppm	ASTM D5185(m)	430	<b>429</b>	423	435
Sulfur	ppm	ASTM D5185(m)	760	<b>1025</b>	956	888
Visc @ 40°C	cSt	ASTM D7279(m)	31.5	<b>32.1</b>	32.7	32.5



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : OF0000831  
**Lab Number** : 02644178  
**Unique Number** : 5801717  
**Test Package** : MOB 2  
**Received** : 26 Jun 2024  
**Tested** : 27 Jun 2024  
**Diagnosed** : 27 Jun 2024 - Wes Davis

**Oil Filtration Solutions Ltd.**  
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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.