



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id  
**AFT CRANE (S/N 5119)**

Component  
**Aft Crane**

Fluid  
**PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (300 LTR)**

## RECOMMENDATION

We recommend you service the filters on this component. 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.

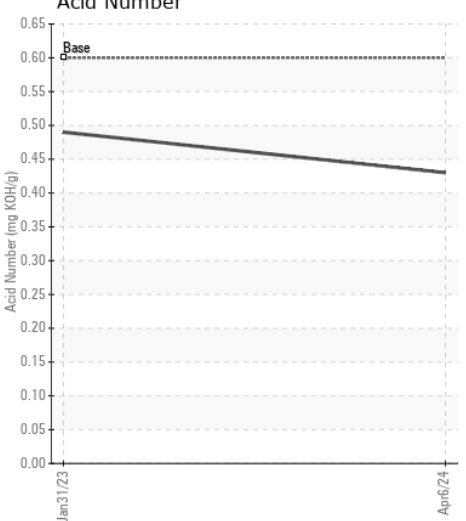
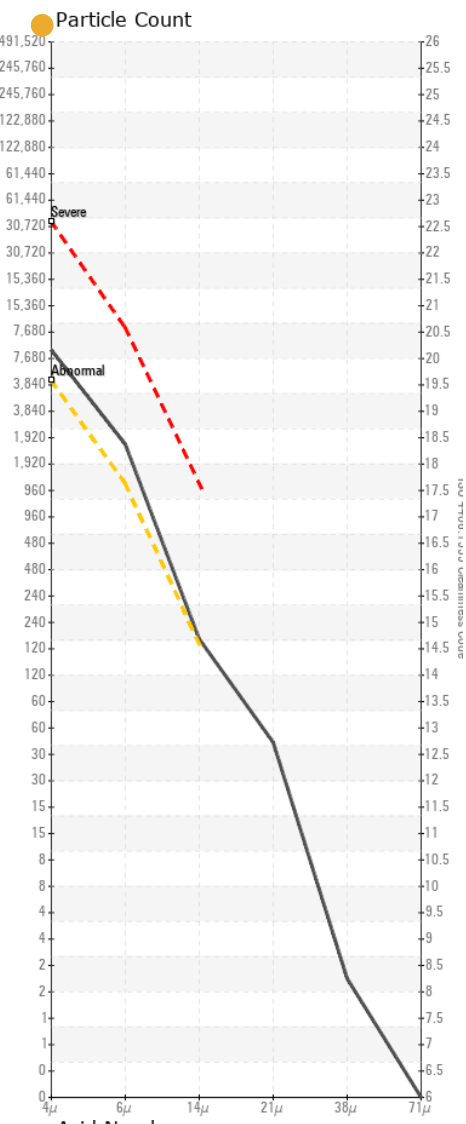
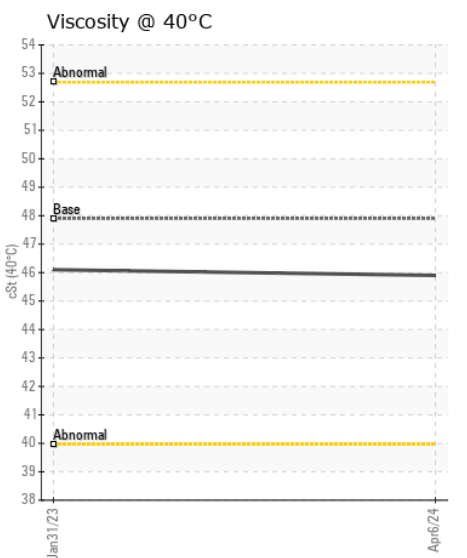
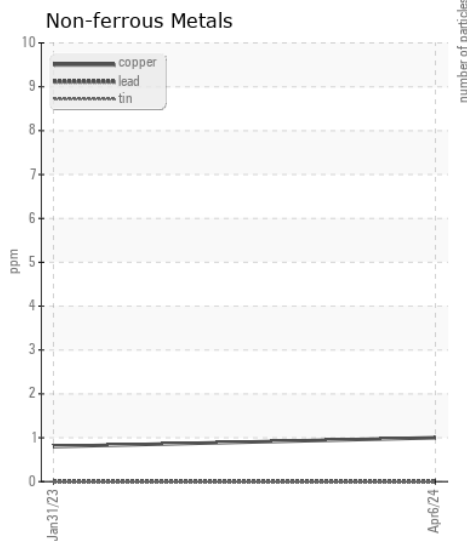
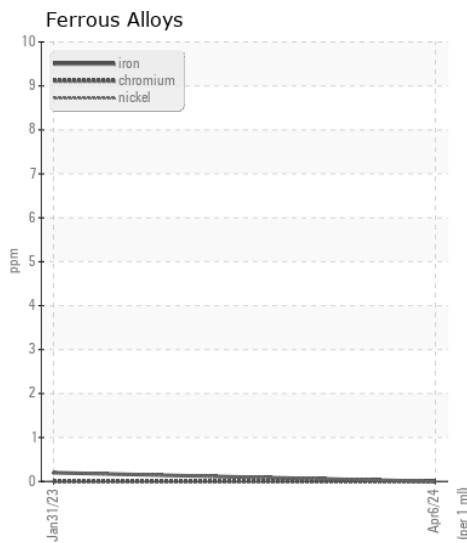
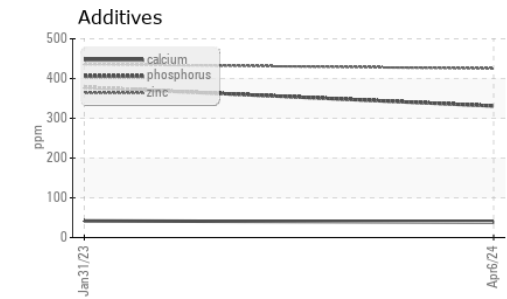
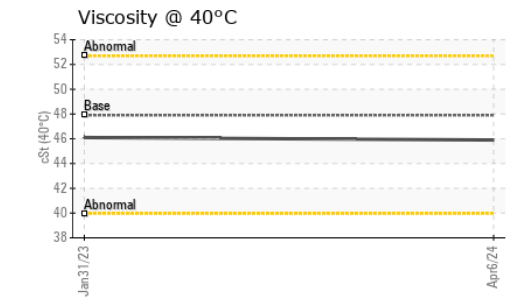
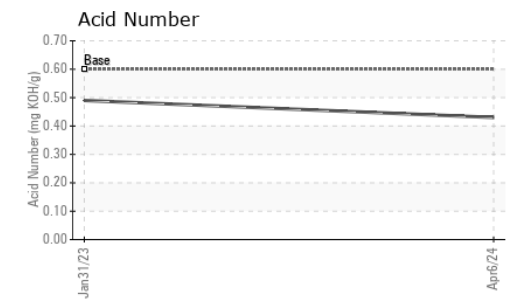
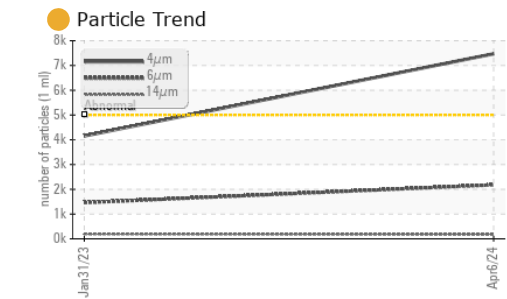
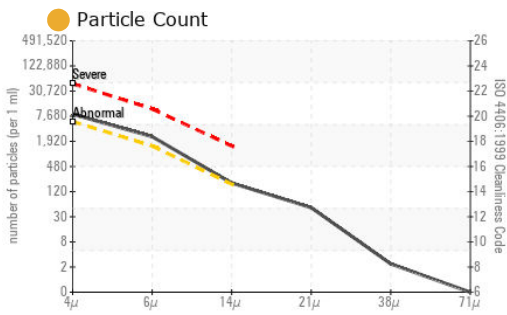
## CONTAMINATION

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

## FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0883755</b>	WC0761470	---
Sample Date		Client Info		<b>06 Apr 2024</b>	31 Jan 2023	---
Machine Age	hrs	Client Info		<b>0</b>	47	---
Oil Age	hrs	Client Info		<b>0</b>	47	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Changed	---
Sample Status				<b>ATTENTION</b>	ATTENTION	---
Iron	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	---
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>20	<b>1</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	---
Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Water		WC Method	>0.05	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>7471</b>	4154	---
Particles >6µm		ASTM D7647	>1300	<b>2177</b>	1461	---
Particles >14µm		ASTM D7647	>160	<b>170</b>	190	---
Particles >21µm		ASTM D7647	>40	<b>44</b>	50	---
Particles >38µm		ASTM D7647	>10	<b>2</b>	3	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	1	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/18/15</b>	19/18/15	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	0	<b>2</b>	2	---
Calcium	ppm	ASTM D5185(m)	100	<b>39</b>	42	---
Phosphorus	ppm	ASTM D5185(m)	670	<b>331</b>	378	---
Zinc	ppm	ASTM D5185(m)	850	<b>425</b>	436	---
Sulfur	ppm	ASTM D5185(m)	1600	<b>762</b>	826	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.60	<b>0.43</b>	0.49	---
Visc @ 40°C	cSt	ASTM D7279(m)	47.9	<b>45.9</b>	46.1	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0883755  
**Lab Number** : 02630578  
**Unique Number** : 5763710  
**Test Package** : MAR 2

**Canadian Coast Guard - John Cabot**  
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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.