



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[114101]**  
Machine Id  
Component  
**PRESS #2**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX AW 68 (--- LTR)**

## RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

## WEAR

All component wear rates are normal.

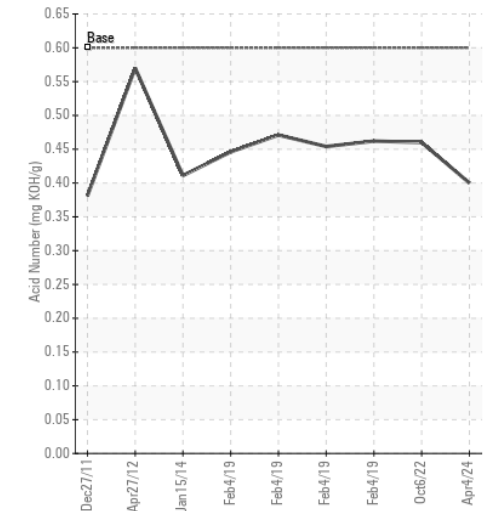
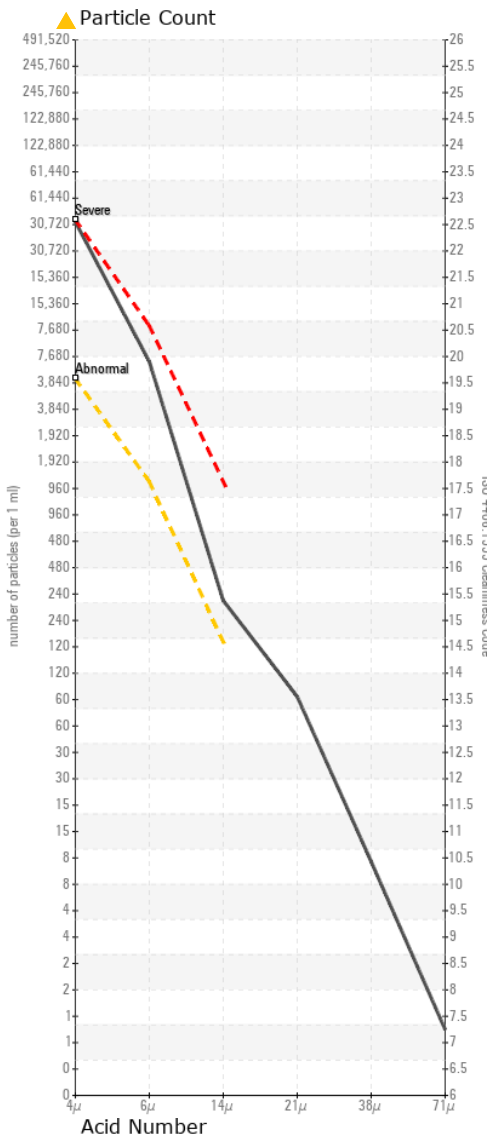
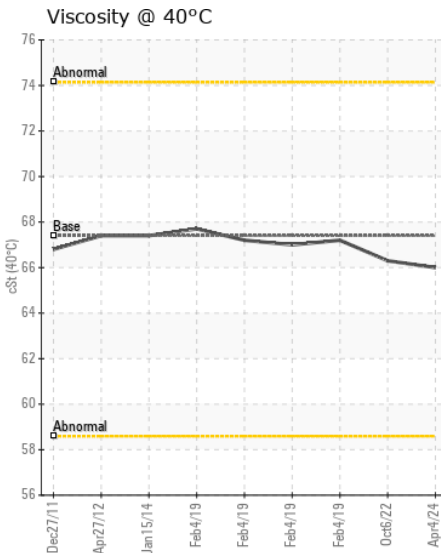
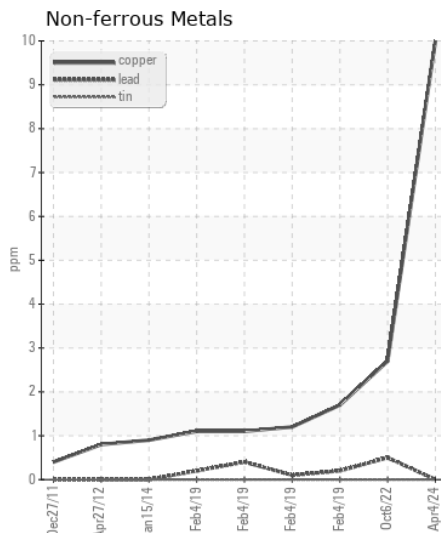
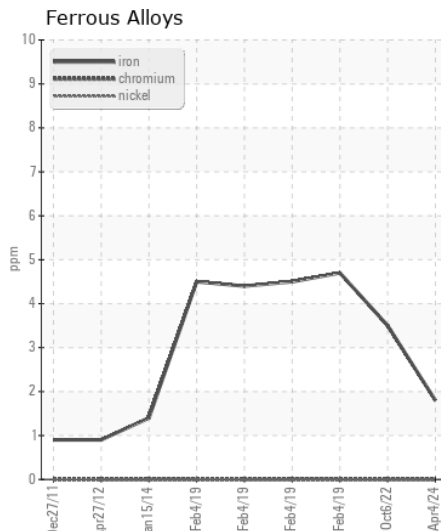
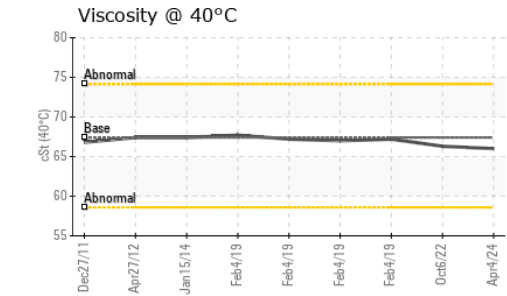
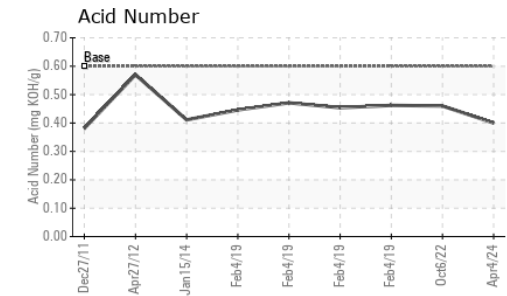
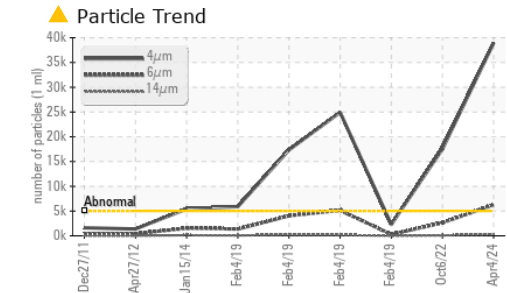
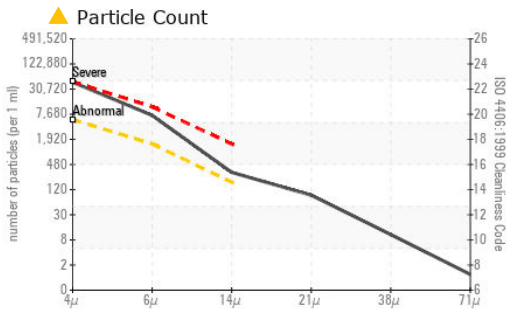
## CONTAMINATION

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

## FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0796129</b>	WC0616924	WC0317990
Sample Date		Client Info		<b>04 Apr 2024</b>	06 Oct 2022	04 Feb 2019
Machine Age	yrs	Client Info		<b>0</b>	0	0
Oil Age	yrs	Client Info		<b>0</b>	0	0
Filter Age	yrs	Client Info		<b>0</b>	1	0
Oil Changed		Client Info		<b>N/A</b>	Filtered	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ATTENTION
Iron	ppm	ASTM D5185(m)	>20	<b>2</b>	4	4
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>20	<b>10</b>	3	1
Tin	ppm	ASTM D5185(m)	>20	<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
Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	0
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 38943</b>	▲ 17553	● 5900
Particles >6µm		ASTM D7647	>1300	<b>▲ 6265</b>	▲ 2634	● 1367
Particles >14µm		ASTM D7647	>160	<b>● 274</b>	82	67
Particles >21µm		ASTM D7647	>40	<b>● 78</b>	23	23
Particles >38µm		ASTM D7647	>10	<b>9</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/20/15</b>	▲ 21/19/14	● 20/18/13
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	0
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185(m)	50	<b>19</b>	26	66
Phosphorus	ppm	ASTM D5185(m)	330	<b>288</b>	326	310
Zinc	ppm	ASTM D5185(m)	430	<b>261</b>	284	402
Sulfur	ppm	ASTM D5185(m)	760	<b>540</b>	596	706
Acid Number (AN)	mg KOH/g	ASTM D974*	0.60	<b>0.40</b>	0.46	0.462
Visc @ 40°C	cSt	ASTM D7279(m)	67.4	<b>66.0</b>	66.3	67.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0796129  
**Lab Number** : 02627362  
**Unique Number** : 5760494  
**Test Package** : IND 2  
**Received** : 08 Apr 2024  
**Tested** : 09 Apr 2024  
**Diagnosed** : 09 Apr 2024 - Wes Davis

**SPECTRA ALUMINUM PRODUCTS INC.**  
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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.