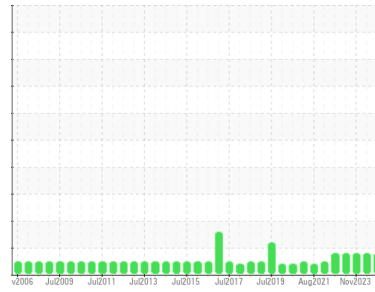




# OIL ANALYSIS REPORT

## Sample Rating Trend



ISO



Area

Press 3

Machine Id

## PRESS #3 HANDLING SYSTEM

Component

Pump Hydraulic System

Fluid

PETRO CANADA HYDREX AW 46 (650 LTR)

### DIAGNOSIS

#### Recommendation

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. ( Customer Sample Comment: Filter changed- follow up from last 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.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0942070</b>	WC0828666	WC0828654
Sample Date	Client Info		<b>02 Jul 2024</b>	21 May 2024	06 Nov 2023
Machine Age	hrs	Client Info	<b>119</b>	119	119
Oil Age	hrs	Client Info	<b>119</b>	119	119
Oil Changed	Client Info		<b>Filtered</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.05	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	1	1
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>25	<b>1</b>	3	2
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	0	<b>2</b>	2	2
Calcium	ppm	ASTM D5185(m)	50	<b>58</b>	61	60
Phosphorus	ppm	ASTM D5185(m)	330	<b>314</b>	316	312
Zinc	ppm	ASTM D5185(m)	430	<b>407</b>	406	408
Sulfur	ppm	ASTM D5185(m)	760	<b>696</b>	689	698
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0

### FLUID CLEANLINESS

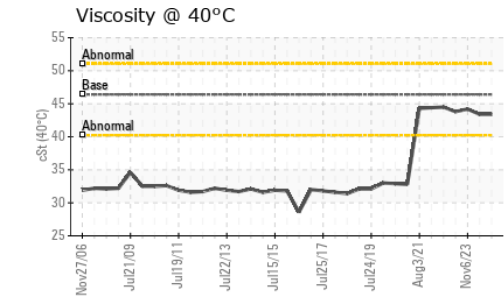
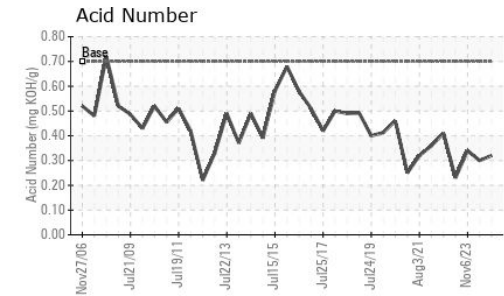
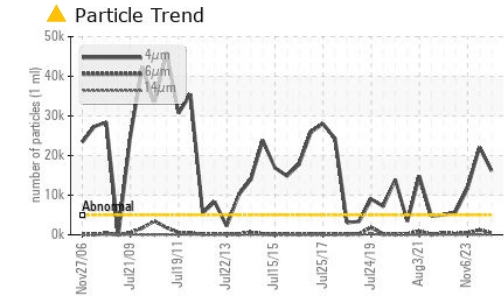
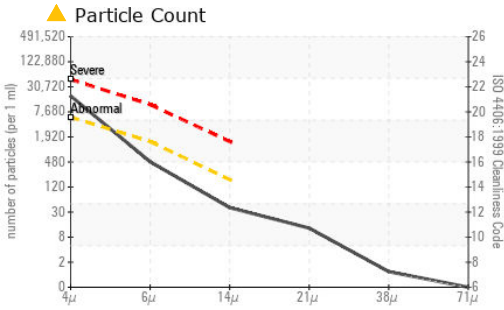
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>▲ 16103</b>	▲ 22126	▲ 11677
Particles >6µm	ASTM D7647	>1300	<b>427</b>	1212	457
Particles >14µm	ASTM D7647	>160	<b>34</b>	66	27
Particles >21µm	ASTM D7647	>40	<b>11</b>	17	7
Particles >38µm	ASTM D7647	>10	<b>1</b>	1	1
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	1
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 21/16/12</b>	▲ 22/17/13	▲ 21/16/12

Particle Filter (Magn: 100 x)





# OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	0.70	<b>0.32</b>	0.30	0.34

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	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*	>0.05	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	46.4	<b>43.4</b>	43.4	44.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			
Bottom			
PrtFilter		no image	no image



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CAN ART ALUMINUM EXTRUSION INC**  
**Sample No.** : WC0942070 **Received** : 04 Jul 2024 428 JUTRAS DRIVE SOUTH  
**Lab Number** : **02645447** **Tested** : 09 Jul 2024 TECUMSEH, ON  
**Unique Number** : 5802986 **Diagnosed** : 09 Jul 2024 - Kevin Marson CA N8N 5C5  
**Test Package** : IND 2 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch, PrtFilter ) Contact: GARY FOSTER  
 GARY@CANART.COM

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.