

NORMAL



Machine Id
PRESS #10 (S/N MP-48309)
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX AW 68 (2000 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using Advanced Oil Monitoring (AOM) kits for this system. The AOM test package includes advanced level testing to determine the suitability of turbine and large industrial compressor oils for continued use.

Wear

Component wear rates appear to be normal (unconfirmed).

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service (unconfirmed).

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0087730	PC0062176	PC0062181
Sample Date	Client Info			11 Jun 2024	30 Nov 2023	02 Jun 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

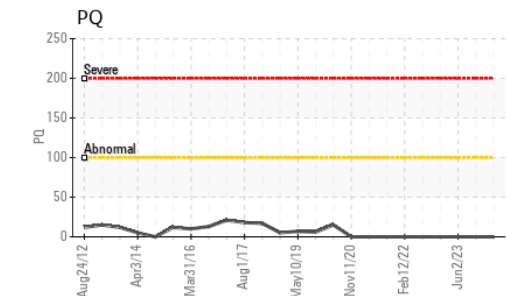
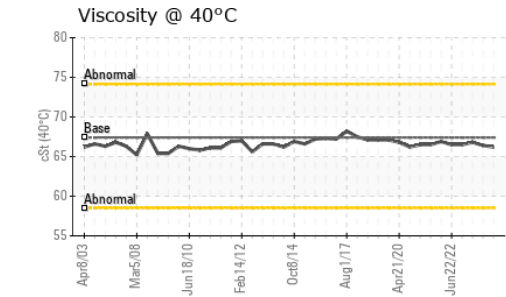
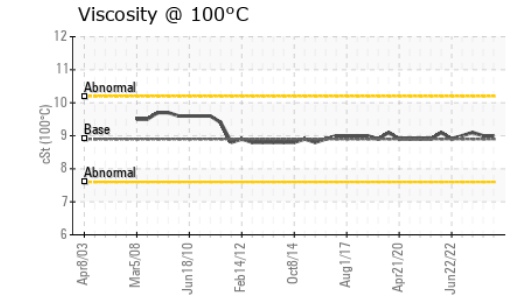
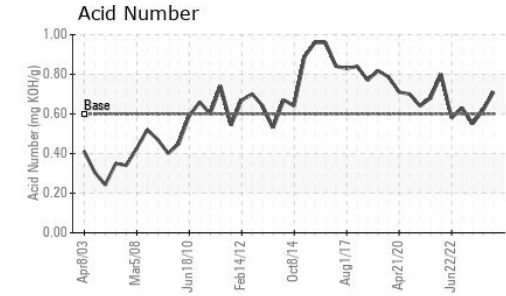
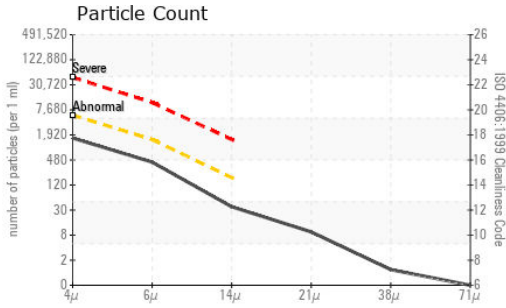
CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>20	45	45	40
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	8	8	8
Lead	ppm	ASTM D5185(m)	>20	8	8	7
Copper	ppm	ASTM D5185(m)	>20	82	77	71
Tin	ppm	ASTM D5185(m)	>20	1	1	1
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	<1	<1
Barium	ppm	ASTM D5185(m)	0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	<1	<1	1
Magnesium	ppm	ASTM D5185(m)	0	64	67	69
Calcium	ppm	ASTM D5185(m)	50	103	106	109
Phosphorus	ppm	ASTM D5185(m)	330	564	577	611
Zinc	ppm	ASTM D5185(m)	430	534	547	538
Sulfur	ppm	ASTM D5185(m)	760	1782	1848	1864
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	2	3	3
Sodium	ppm	ASTM D5185(m)		3	3	3
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0087730
Lab Number : 02641143
Unique Number : 5798682
Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

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.

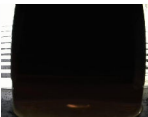

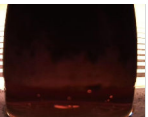
EXTRUDEX ALUMINIUM
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 WOODBRIDGE, ON
 CA L4L 8N4
 Contact: Daljeet Munday
 dmunday@extrudex.com
 T: (416)745-4444
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FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	1413	802	2931	
Particles >6µm	ASTM D7647	>1300	375	229	1013	
Particles >14µm	ASTM D7647	>160	32	16	112	
Particles >21µm	ASTM D7647	>40	8	4	34	
Particles >38µm	ASTM D7647	>10	1	1	2	
Particles >71µm	ASTM D7647	>3	0	0	1	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	18/16/12	17/15/11	19/17/14	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.60	0.71	0.62	0.55

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	67.4	66.2	66.4	66.8
Visc @ 100°C	cSt	ASTM D7279(m)	8.9	9.0	9	9.1
Viscosity Index (VI)	Scale	ASTM D2270*	105	110	110	111

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom				