

Machine Id
SCHWING #8 (S/N 11.800.04.4460.475)
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX AW 46 (1200 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0058414	PC383417	PC368477
Sample Date	Client Info			09 Jul 2024	15 Aug 2017	23 Jul 2016
Machine Age	hrs	Client Info		39778	0	25904
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			Not Chngd	N/A	Not Chngd
Sample Status				ATTENTION	SEVERE	ATTENTION

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

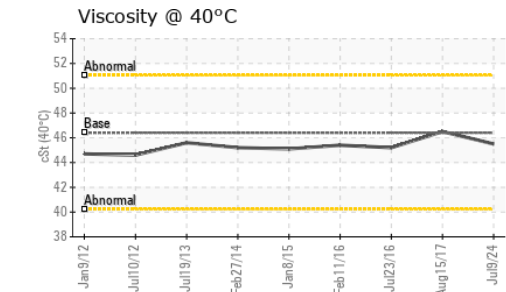
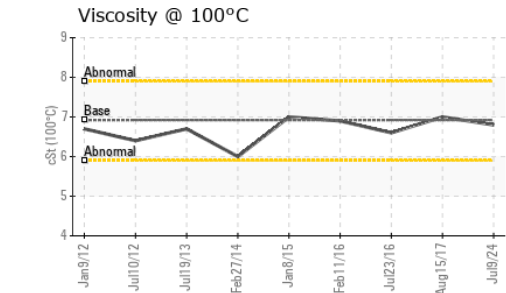
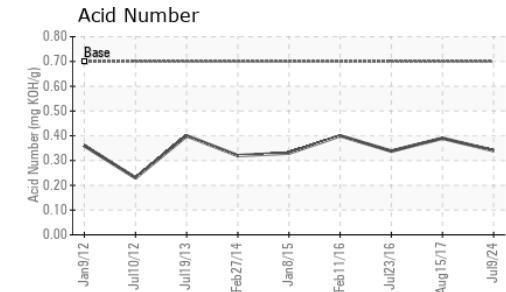
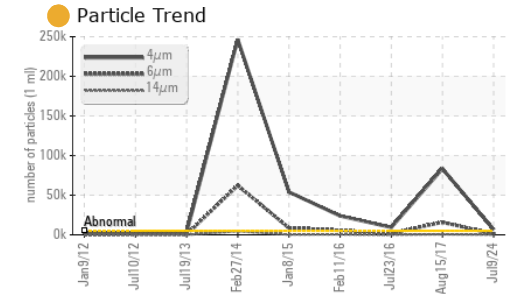
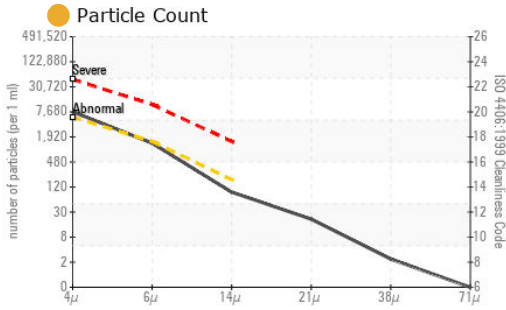
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	1	4	1
Chromium	ppm	ASTM D5185(m)	>20	1	2	<1
Nickel	ppm	ASTM D5185(m)	>20	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	0
Lead	ppm	ASTM D5185(m)	>20	2	2	<1
Copper	ppm	ASTM D5185(m)	>20	37	52	11
Tin	ppm	ASTM D5185(m)	>20	<1	<1	0
Antimony	ppm	ASTM D5185(m)		0	0	0
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	0	0	<1
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	0	0	0
Calcium	ppm	ASTM D5185(m)	50	54	38	36
Phosphorus	ppm	ASTM D5185(m)	330	352	322	266
Zinc	ppm	ASTM D5185(m)	430	447	397	321
Sulfur	ppm	ASTM D5185(m)	760	786	707	5181
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0	<1	<1
Sodium	ppm	ASTM D5185(m)		0	6	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	6703	83415	9350	
Particles >6µm	ASTM D7647	>1300	1194	15833	1861	
Particles >14µm	ASTM D7647	>160	80	579	54	
Particles >21µm	ASTM D7647	>40	18	120	13	
Particles >38µm	ASTM D7647	>10	2	5	0	
Particles >71µm	ASTM D7647	>3	0	0	0	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	20/17/13	24/21/16	20/18/13	

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0058414
Lab Number : 02647826
Unique Number : 5813378
Test Package : IND 2 (Additional Tests: KV100, VI)

ONTARIO CLEAN WATER AGENCY- SOUTH PEEL FACILITIES
 1300 LAKESHORE RD
 MISSISSAUGA, ON
 CA L5E 1E9

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.

Contact: Angelo Magnifico
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 T: (905)274-1223
 F: (905)274-2076

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.70	0.34	0.39	0.338
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	LIGHT	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)	46.4	45.5	46.5	45.2
Visc @ 100°C	cSt	ASTM D7279(m)	6.92	6.8	7.0	6.6
Viscosity Index (VI)	Scale	ASTM D2270*	104	103	107	96

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