

Machine Id
#2 SCHWING (S/N 133768)
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX AW 46 (--- LTR)

RECOMMENDATION

We recommend an early resample to monitor this condition. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

WEAR

Copper ppm levels are abnormal. Oil cooler core leaching or motor piston wear is indicated.

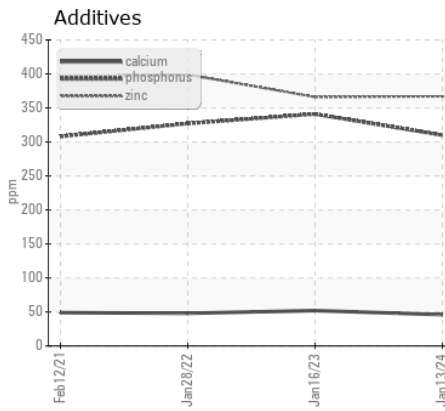
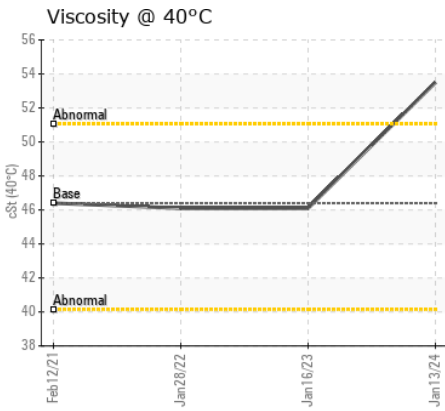
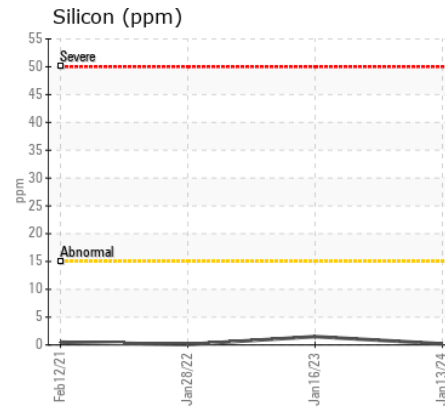
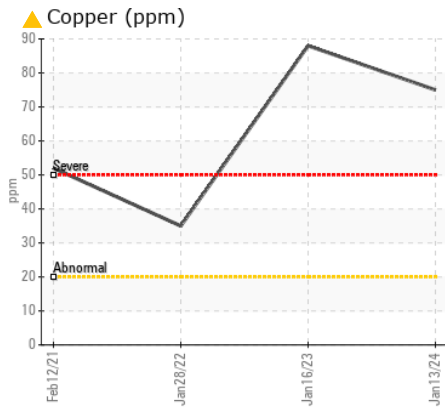
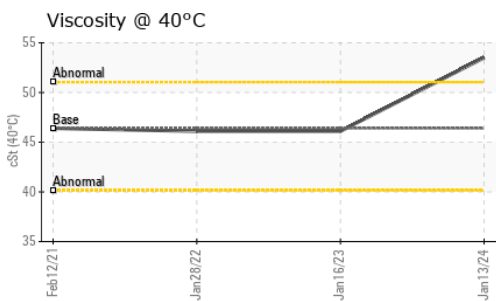
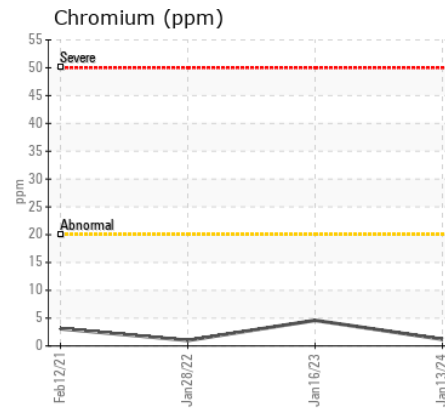
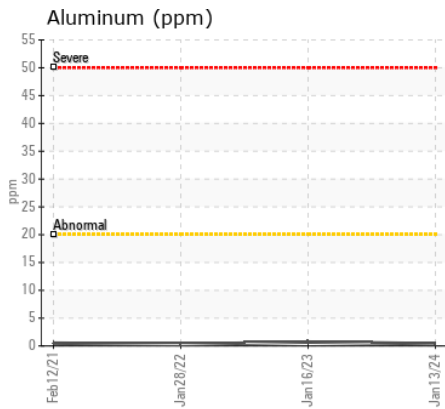
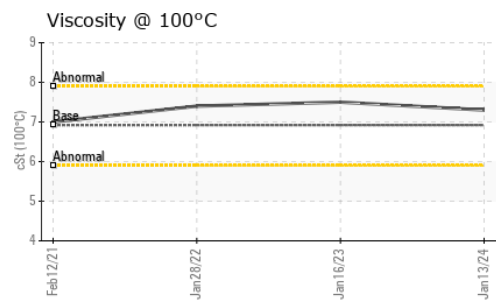
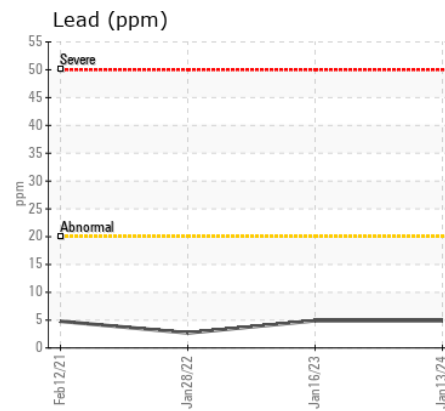
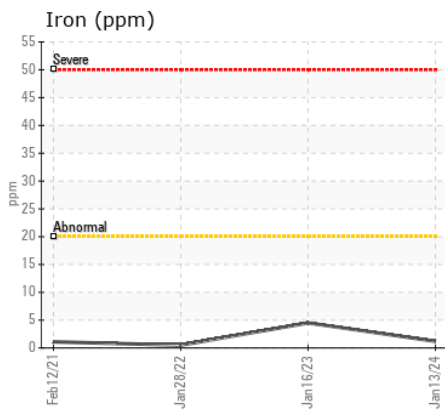
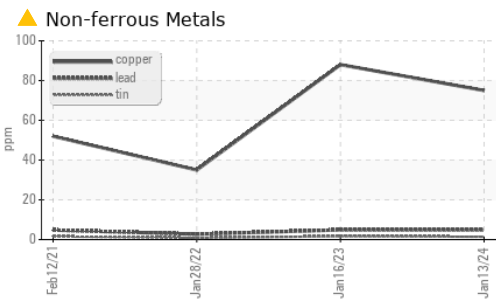
CONTAMINATION

There is no indication of any contamination in the component(unconfirmed).

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0075709	PC0058323	PC0023282
Sample Date		Client Info		13 Jan 2024	16 Jan 2023	28 Jan 2022
Machine Age	hrs	Client Info		5860	2201	60489
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL
Iron	ppm	ASTM D5185(m)	>20	1	4	<1
Chromium	ppm	ASTM D5185(m)	>20	1	5	1
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>20	5	5	3
Copper	ppm	ASTM D5185(m)	>20	▲ 75	▲ 88	▲ 35
Tin	ppm	ASTM D5185(m)	>20	1	2	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>15	<1	2	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.05	NEG	NEG	NEG
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
Sodium	ppm	ASTM D5185(m)		0	0	0
Boron	ppm	ASTM D5185(m)	0	0	<1	<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	<1	0	<1
Calcium	ppm	ASTM D5185(m)	50	46	52	48
Phosphorus	ppm	ASTM D5185(m)	330	310	341	327
Zinc	ppm	ASTM D5185(m)	430	367	366	399
Sulfur	ppm	ASTM D5185(m)	760	774	880	777
Visc @ 40°C	cSt	ASTM D7279(m)	46.4	53.5	46.1	46.1
Visc @ 100°C	cSt	ASTM D7279(m)	6.92	7.3	7.5	7.4
Viscosity Index (VI)	Scale	ASTM D2270*	104	94	127	123



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ONTARIO CLEAN WATER AGENCY- SOUTH PEEL FACILITIES
Sample No. : PC0075709 **Received** : 16 Jan 2024 1300 LAKESHORE RD
Lab Number : 02609011 **Diagnosed** : 17 Jan 2024 MISSISSAUGA, ON
Unique Number : 5710097 **Diagnostician** : Kevin Marson CA L5E 1E9
Test Package : MOB 1 (Additional Tests: KV100, VI)
 Contact: Angelo Magnifico
 amagnifico@ocwa.com
 T: (905)274-1223
 F: (905)274-2076

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.