



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
NORMAL
NORMAL

Machine Id
#5 SCHWING (S/N 203554)
Component
Circulating Hydraulic System
Fluid
PETRO CANADA HYDREX AW 46 (--- LTR)

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 MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

WEAR

Copper ppm levels are noted. All other component wear rates are normal.

CONTAMINATION

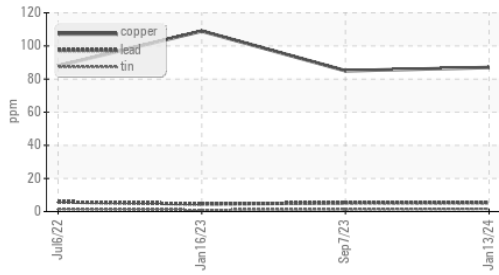
There is no indication of any contamination in the component(unconfirmed).

FLUID CONDITION

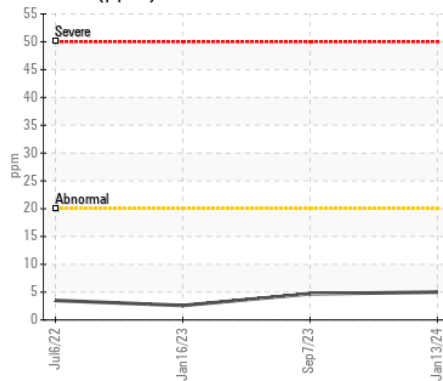
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0075714	PC0075636	PC0058318
Sample Date		Client Info		13 Jan 2024	07 Sep 2023	16 Jan 2023
Machine Age	hrs	Client Info		33056	31657	29334
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185(m)	>20	5	5	3
Chromium	ppm	ASTM D5185(m)	>20	4	4	2
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	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	5
Copper	ppm	ASTM D5185(m)	>20	▲ 87	▲ 85	▲ 109
Tin	ppm	ASTM D5185(m)	>20	2	1	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	2	2	1
Potassium	ppm	ASTM D5185(m)	>20	0	0	0
Water		WC Method	>0.05	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	VLITE	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	<1	0
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	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	50	52	50	46
Phosphorus	ppm	ASTM D5185(m)	330	323	336	337
Zinc	ppm	ASTM D5185(m)	430	355	366	346
Sulfur	ppm	ASTM D5185(m)	760	860	984	743
Visc @ 40°C	cSt	ASTM D7279(m)	46.4	46.1	46.4	45.8
Visc @ 100°C	cSt	ASTM D7279(m)	6.92	7.5	7.5	7.4
Viscosity Index (VI)	Scale	ASTM D2270*	104	127	126	125

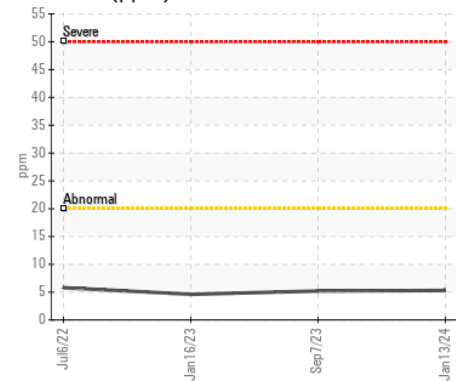
▲ Non-ferrous Metals



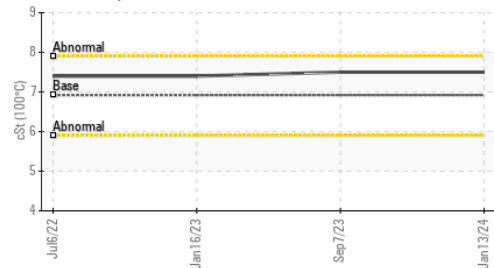
Iron (ppm)



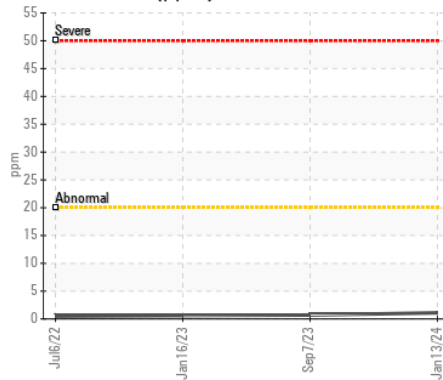
Lead (ppm)



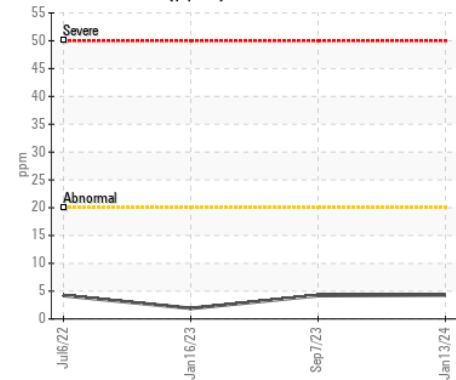
Viscosity @ 100°C



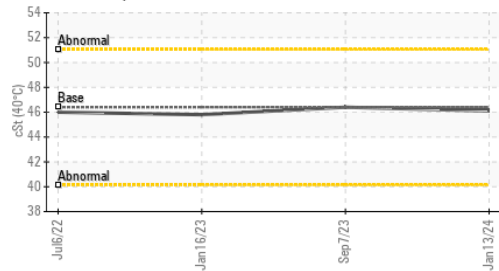
Aluminum (ppm)



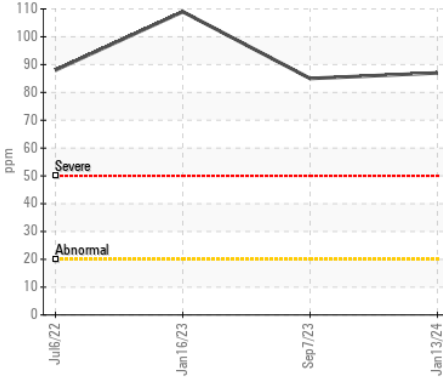
Chromium (ppm)



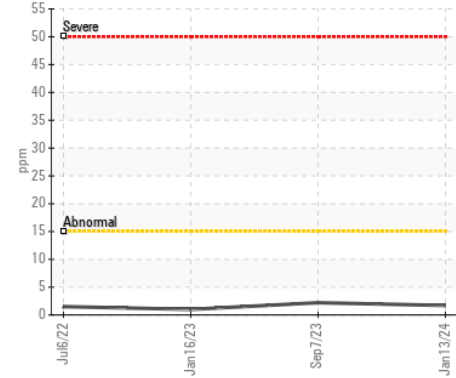
Viscosity @ 40°C



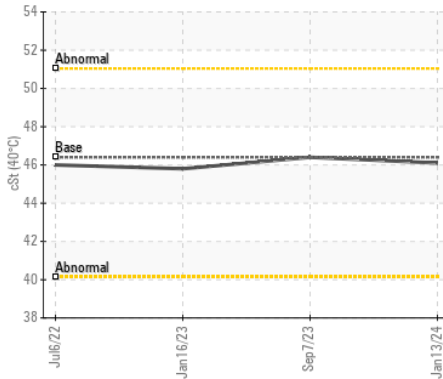
▲ Copper (ppm)



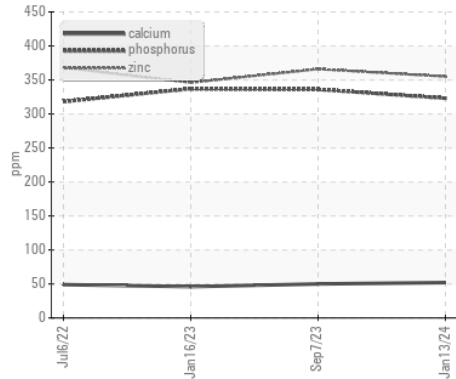
Silicon (ppm)



Viscosity @ 40°C



Additives



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ONTARIO CLEAN WATER AGENCY- SOUTH PEEL FACILITIES
Sample No. : PC0075714 **Received** : 16 Jan 2024 1300 LAKESHORE RD
Lab Number : 02609009 **Diagnosed** : 16 Jan 2024 MISSISSAUGA, ON
Unique Number : 5710095 **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.