MOB LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
#3 SCHWING (S/N 0000203548)
Component
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

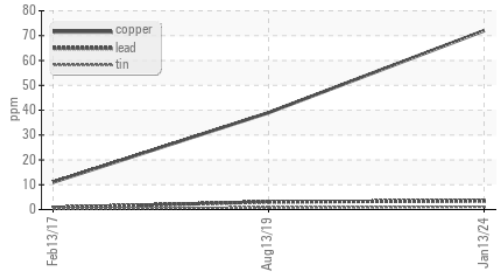
The water content is negligible. There is no indication of any contamination in the component(unconfirmed).

FLUID CONDITION

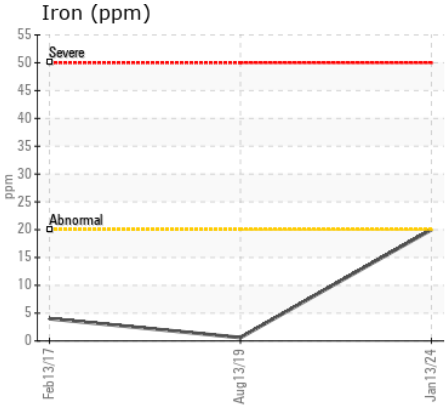
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0075711	WC383532	PC383494
Sample Date		Client Info		13 Jan 2024	13 Aug 2019	13 Feb 2017
Machine Age	hrs	Client Info		63687	39146	27657
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	ABNORMAL	NORMAL
PQ		ASTM D8184*		0	---	0
Iron	ppm	ASTM D5185(m)	>20	20	<1	4
Chromium	ppm	ASTM D5185(m)	>20	8	2	4
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	0	<1
Lead	ppm	ASTM D5185(m)	>20	4	3	<1
Copper	ppm	ASTM D5185(m)	>20	▲ 72	39	11
Tin	ppm	ASTM D5185(m)	>20	1	<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	6	0	1
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Water	%	ASTM D6304*	>0.05	0.003	---	---
ppm Water	ppm	ASTM D6304*	>500	40	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	HAZY	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<1	0	<1
Boron	ppm	ASTM D5185(m)	0	0	<1	0
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	2	0	<1
Calcium	ppm	ASTM D5185(m)	50	69	48	90
Phosphorus	ppm	ASTM D5185(m)	330	318	310	280
Zinc	ppm	ASTM D5185(m)	430	329	394	361
Sulfur	ppm	ASTM D5185(m)	760	846	1112	1883
Visc @ 40°C	cSt	ASTM D7279(m)	46.4	46.5	47.2	45.7
Visc @ 100°C	cSt	ASTM D7279(m)	6.92	7.5	---	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	104	126	---	102

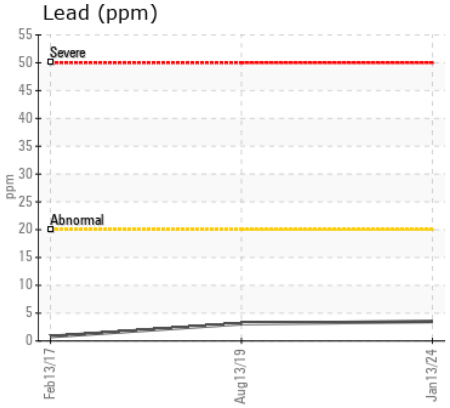
Non-ferrous Metals



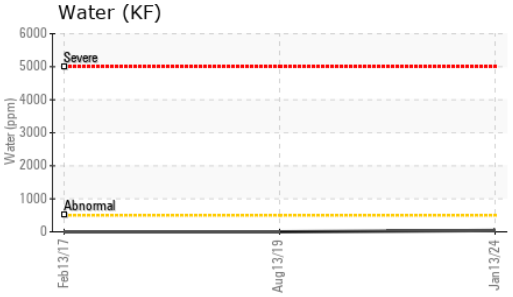
Iron (ppm)



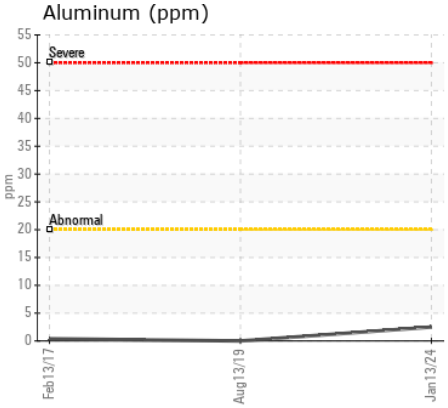
Lead (ppm)



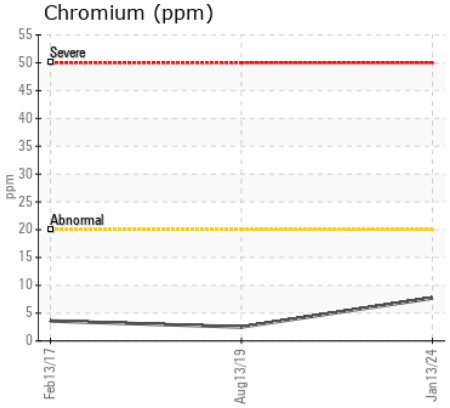
Water (KF)



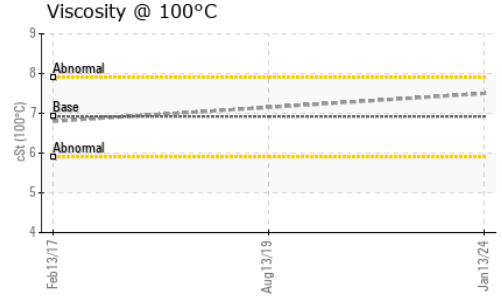
Aluminum (ppm)



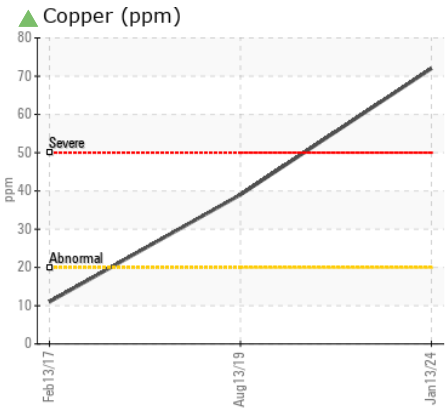
Chromium (ppm)



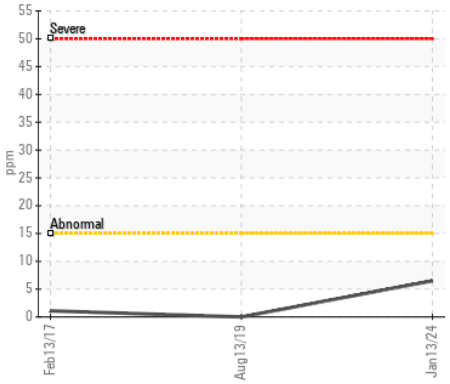
Viscosity @ 100°C



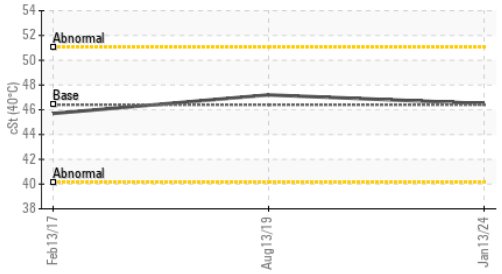
Copper (ppm)



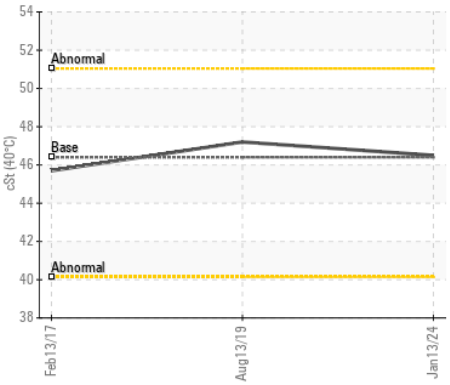
Silicon (ppm)



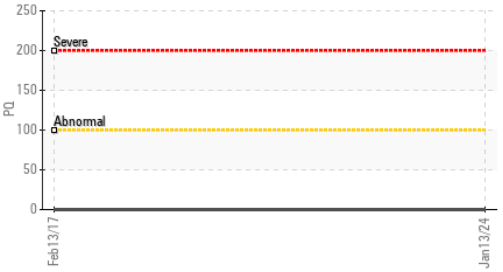
Viscosity @ 40°C



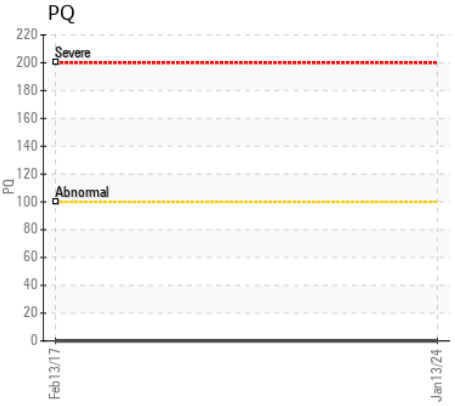
Viscosity @ 40°C



PQ



PQ



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0075711
Lab Number : 02609010
Unique Number : 5710096
Test Package : MOB 1 (Additional Tests: KF, KV100, PQ, VI)

Recieved : 16 Jan 2024
Diagnosed : 18 Jan 2024
Diagnostician : Kevin Marson

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.

ONTARIO CLEAN WATER AGENCY- SOUTH PEEL FACILITIES
1300 LAKESHORE RD
MISSISSAUGA, ON
CA L5E 1E9
Contact: Angelo Magnifico
amagnifico@ocwa.com
T: (905)274-1223
F: (905)274-2076