MOB II

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
City Of Mount Pearl
Machine Id
INTERNATIONAL Flyer/Salter, 21-21D
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX AW 32 (239 LTR)

RECOMMENDATION

The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

WEAR

Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

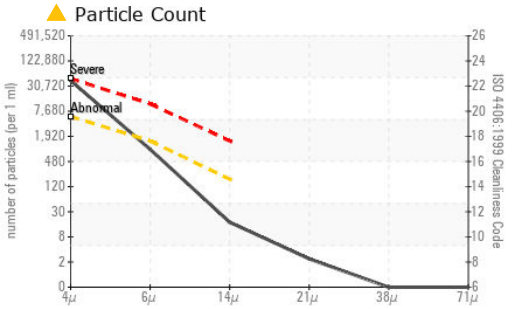
CONTAMINATION

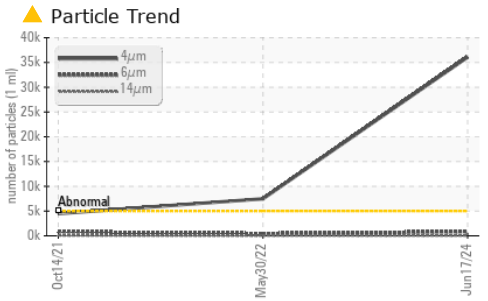
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

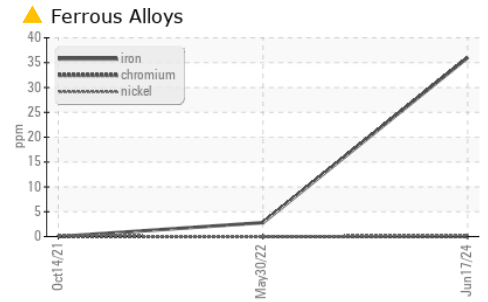
FLUID CONDITION

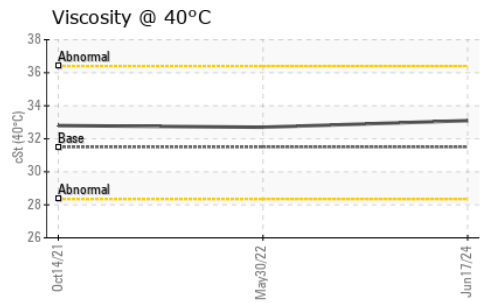
Additive levels indicate the addition of a different brand, or type of oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

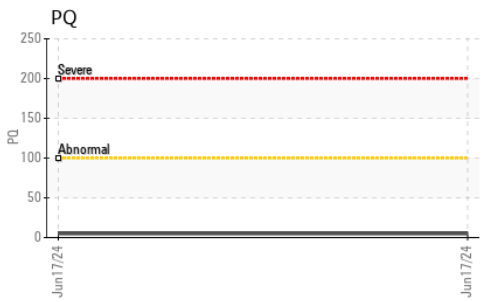
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000836	OF0000534	OF0000231
Sample Date		Client Info		17 Jun 2024	30 May 2022	14 Oct 2021
Machine Age	hrs	Client Info		3374	841	841
Oil Age	hrs	Client Info		3374	841	37
Filter Age	hrs	Client Info		1200	841	37
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ABNORMAL	ATTENTION	NORMAL
PQ		ASTM D8184*		5	---	---
Iron	ppm	ASTM D5185(m)	>20	▲ 36	3	0
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<1	0	0
Lead	ppm	ASTM D5185(m)	>10	<1	1	1
Copper	ppm	ASTM D5185(m)	>75	2	2	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
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)	>20	2	2	1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 36076	● 7471	4480
Particles >6µm		ASTM D7647	>1300	823	441	801
Particles >14µm		ASTM D7647	>160	15	21	55
Particles >21µm		ASTM D7647	>40	2	3	14
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/17/11	● 20/16/12	19/17/13
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*	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		5	2	0
Boron	ppm	ASTM D5185(m)	0	11	4	<1
Barium	ppm	ASTM D5185(m)	0	<1	<1	1
Molybdenum	ppm	ASTM D5185(m)	0	2	2	0
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	0	76	37	<1
Calcium	ppm	ASTM D5185(m)	50	385	90	10
Phosphorus	ppm	ASTM D5185(m)	330	461	441	433
Zinc	ppm	ASTM D5185(m)	430	547	466	454
Sulfur	ppm	ASTM D5185(m)	760	1434	1090	913
Visc @ 40°C	cSt	ASTM D7279(m)	31.5	33.1	32.7	32.8

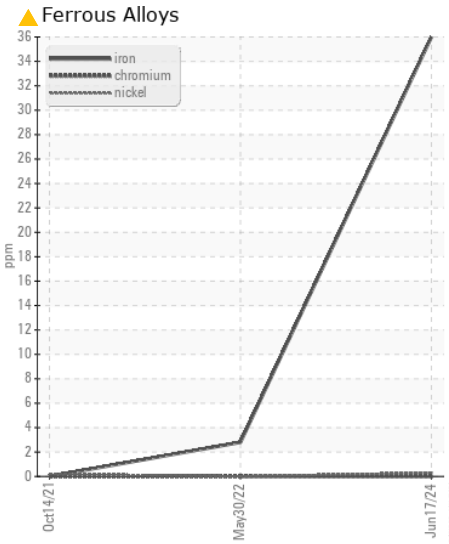


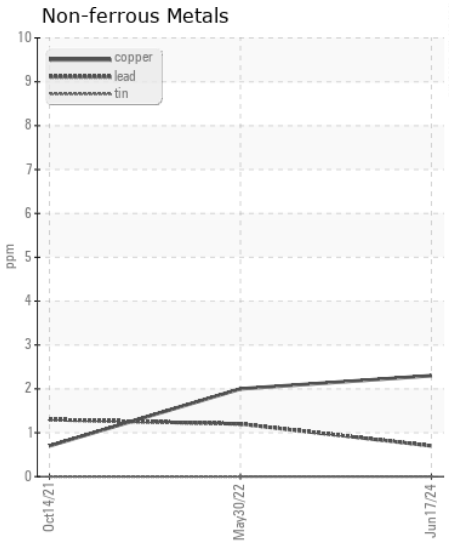


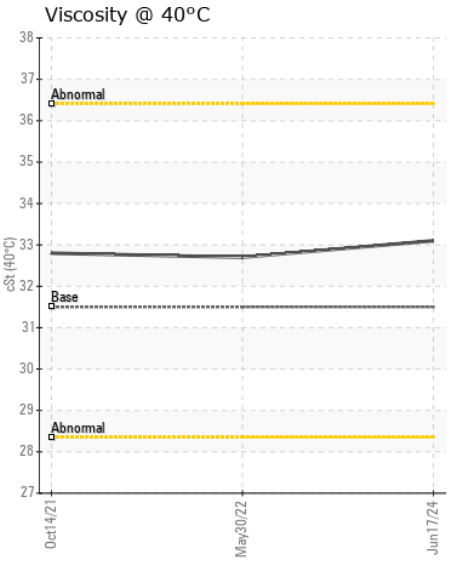


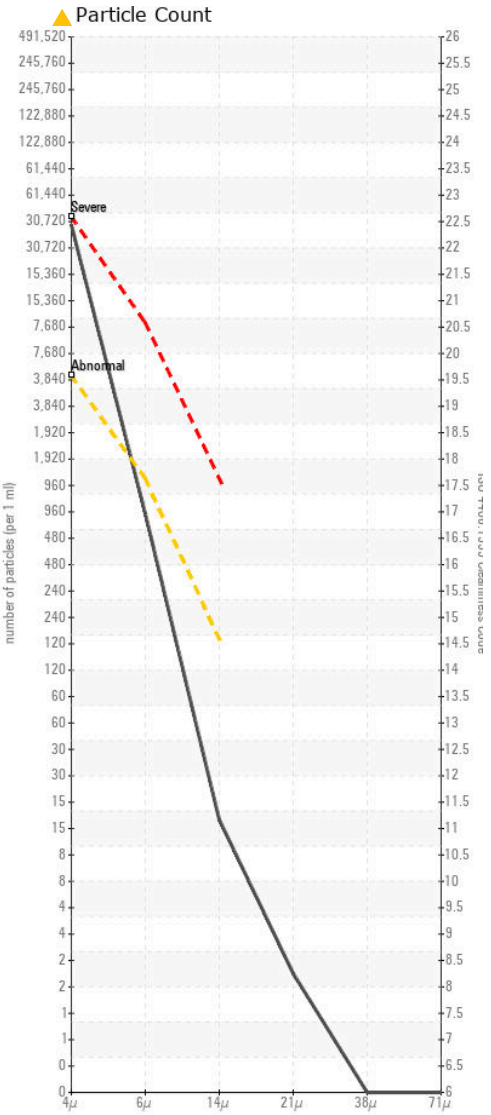












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000836
Lab Number : 02644172
Unique Number : 5801711
Test Package : MOB 2 (Additional Tests: PQ)

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 27 Jun 2024 - 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.

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