MOB I LUBE 360™ OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
CASE TR320 2191205
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 32 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. 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

Tin ppm levels are abnormal. Bearing and/or bushing wear is indicated.

CONTAMINATION

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

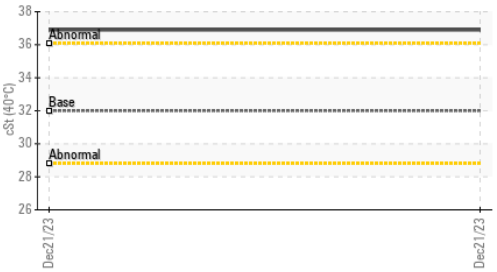
FLUID CONDITION

Viscosity of sample indicates oil is within SAE 5W20 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

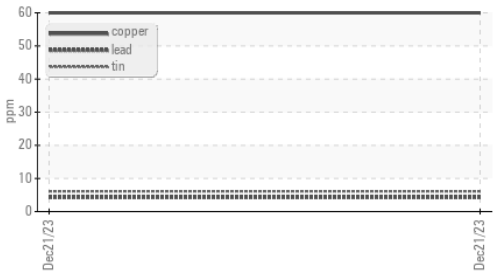
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072502	---	---
Sample Date		Client Info		21 Dec 2023	---	---
Machine Age	hrs	Client Info		5292	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>65	8	---	---
Chromium	ppm	ASTM D5185(m)	>6	0	---	---
Nickel	ppm	ASTM D5185(m)	>10	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>5	1	---	---
Lead	ppm	ASTM D5185(m)	>45	4	---	---
Copper	ppm	ASTM D5185(m)	>120	60	---	---
Tin	ppm	ASTM D5185(m)	>4	▲ 6	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>25	5	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)	5	45	---	---
Barium	ppm	ASTM D5185(m)	5	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	5	5	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	25	42	---	---
Calcium	ppm	ASTM D5185(m)	200	▲ 1401	---	---
Phosphorus	ppm	ASTM D5185(m)	300	663	---	---
Zinc	ppm	ASTM D5185(m)	370	818	---	---
Sulfur	ppm	ASTM D5185(m)	2500	▲ 4887	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	32	▲ 36.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.4	▲ 6.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	102	129	---	---

Viscosity @ 100°C

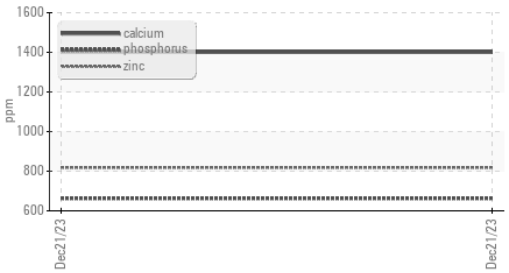
Viscosity @ 40°C



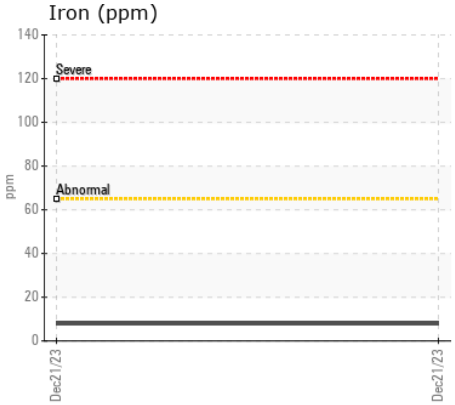
Non-ferrous Metals



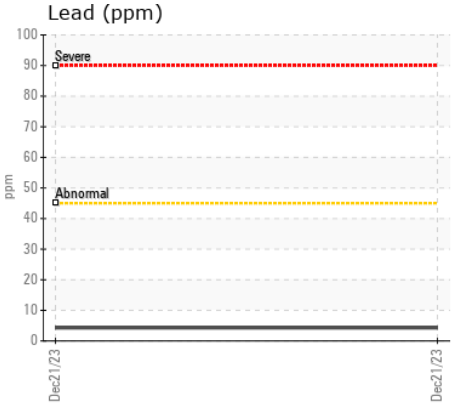
Additives



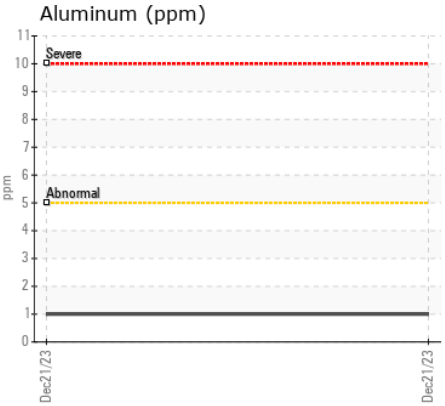
Iron (ppm)



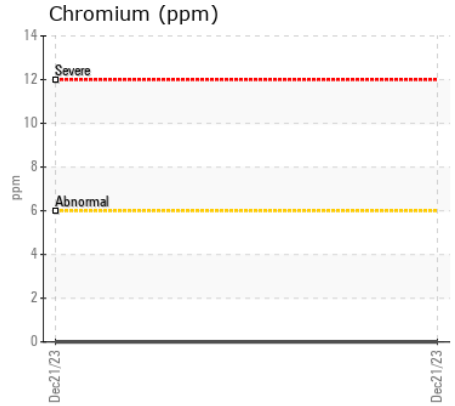
Lead (ppm)



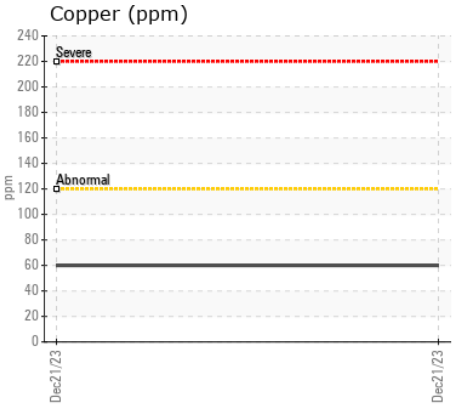
Aluminum (ppm)



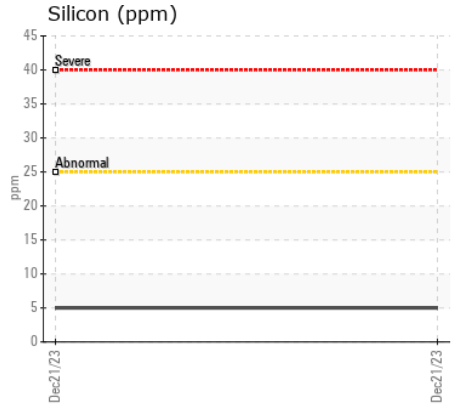
Chromium (ppm)



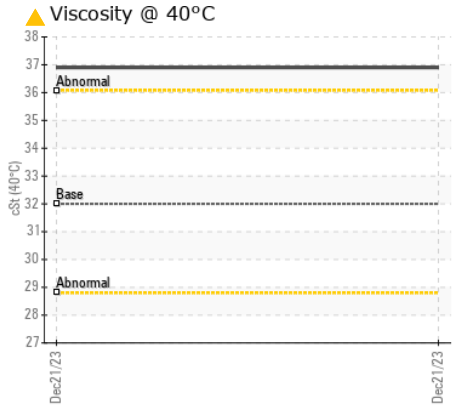
Copper (ppm)



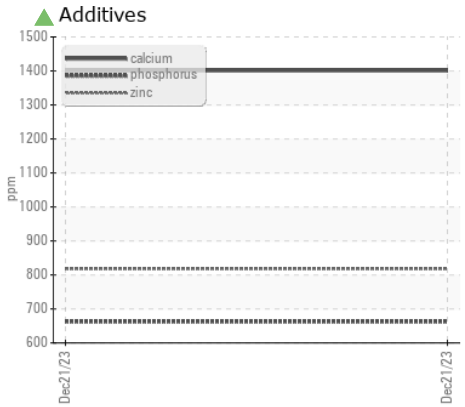
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: PC0072502	**Recieved**	: 08 Jan 2024
Lab Number	: 02607139	**Diagnosed**	: 10 Jan 2024
Unique Number	: 5708225	**Diagnostician**	: Kevin Marson
Test Package	: MOB 1 (Additional Tests: KV100, VI)		

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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