



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**5 - 2550522**

Component  
**Hydraulic System**

Fluid  
**AW HYDRAULIC OIL ISO 32 (45 GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

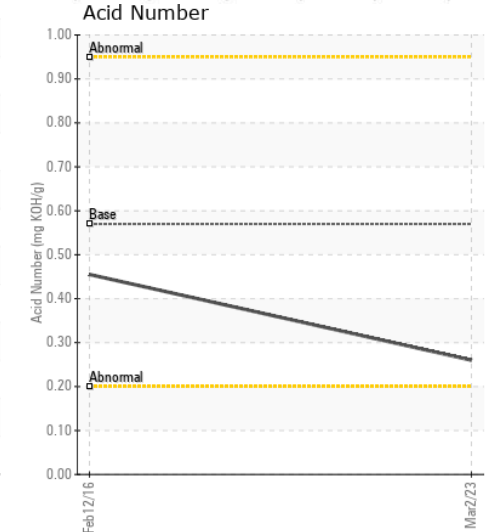
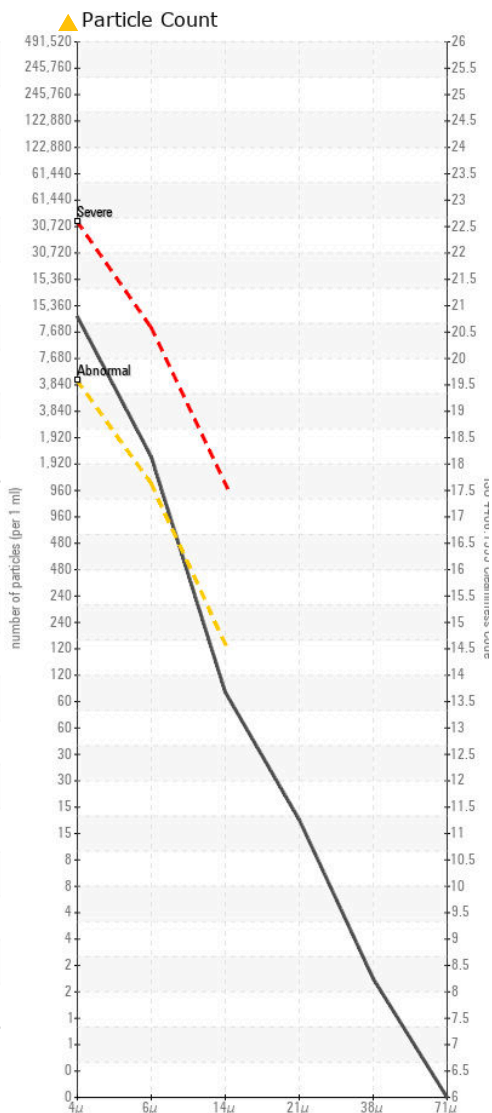
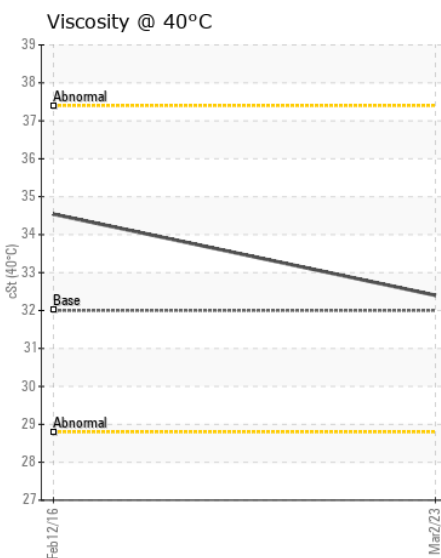
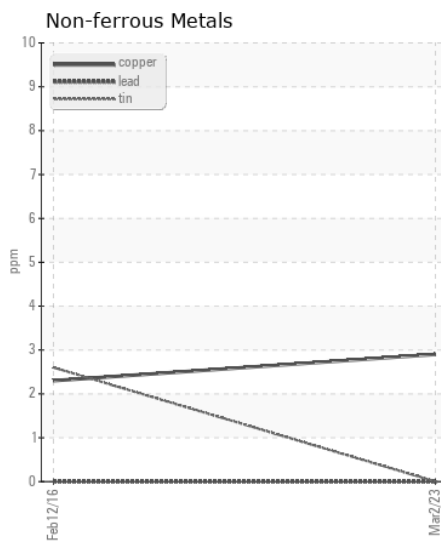
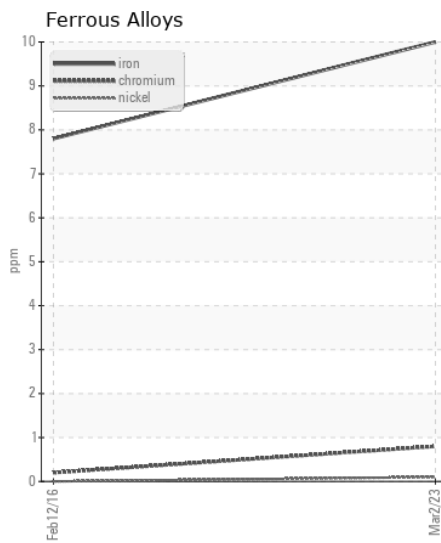
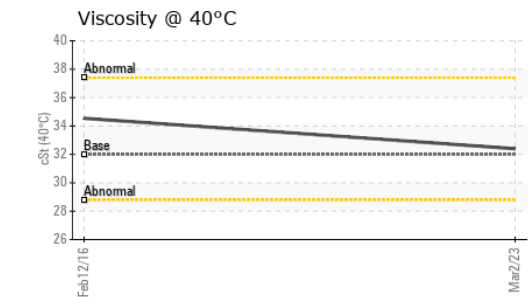
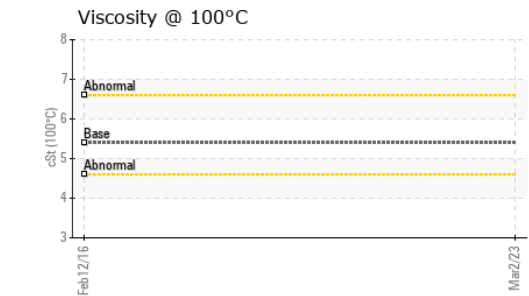
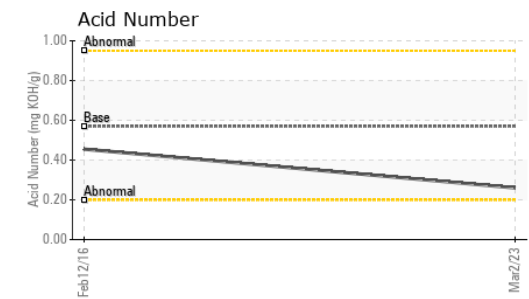
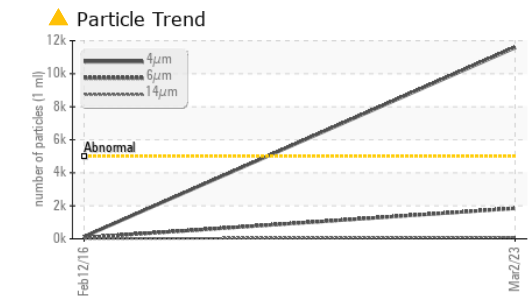
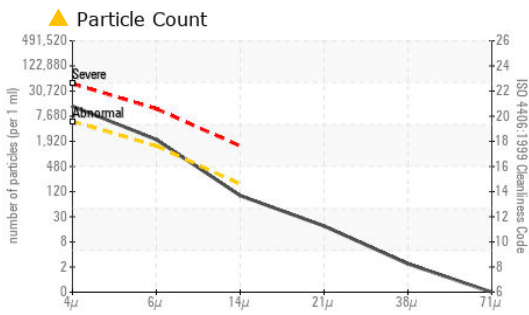
## CONTAMINATION

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

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0682330</b>	WCM2273444	---
Sample Date		Client Info		<b>02 Mar 2023</b>	12 Feb 2016	---
Machine Age	yrs	Client Info		<b>0</b>	0	---
Oil Age	yrs	Client Info		<b>0</b>	0	---
Filter Age	yrs	Client Info		<b>1</b>	1	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---
<hr/>						
Iron	ppm	ASTM D5185m	>20	<b>10</b>	8	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>75	<b>3</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	3	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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Silicon	ppm	ASTM D5185m	>20	<b>3</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>▲ 11584</b>	132	---
Particles >6µm		ASTM D7647	>1300	<b>▲ 1848</b>	72	---
Particles >14µm		ASTM D7647	>160	<b>85</b>	12	---
Particles >21µm		ASTM D7647	>40	<b>16</b>	4	---
Particles >38µm		ASTM D7647	>10	<b>2</b>	0	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 21/18/14</b>	14/13/11	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---
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Sodium	ppm	ASTM D5185m		<b>2</b>	2	---
Boron	ppm	ASTM D5185m	5	<b>5</b>	<1	---
Barium	ppm	ASTM D5185m	5	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m	5	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	25	<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m	200	<b>100</b>	74	---
Phosphorus	ppm	ASTM D5185m	300	<b>280</b>	253	---
Zinc	ppm	ASTM D5185m	370	<b>246</b>	320	---
Sulfur	ppm	ASTM D5185m	2500	<b>2293</b>	1897	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	<b>0.26</b>	0.455	---
Visc @ 40°C	cSt	ASTM D445	32	<b>32.4</b>	34.54	---
Visc @ 100°C	cSt	ASTM D445	5.4	<b>6.3</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270	102	<b>148</b>	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0682330 Recieved : 27 Mar 2023  
 Lab Number : 05803308 Diagnosed : 29 Mar 2023  
 Unique Number : 10400837 Diagnostician : Doug Bogart  
 Test Package : MOB 2 ( Additional Tests: KV100, VI )

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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