



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area  
**[6196310]**  
 Machine Id  
**NO UNIT CB0031643**  
 Component  
**Hydraulic System**  
 Fluid  
**AW HYDRAULIC OIL ISO 32 (--- GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CB0031643</b>	---	---
Sample Date		Client Info		<b>07 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m)	>20	<b>6</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>VLITE</b>	---	---

## CONTAMINATION

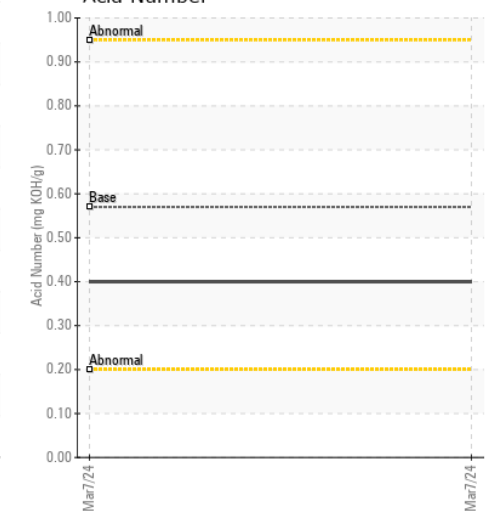
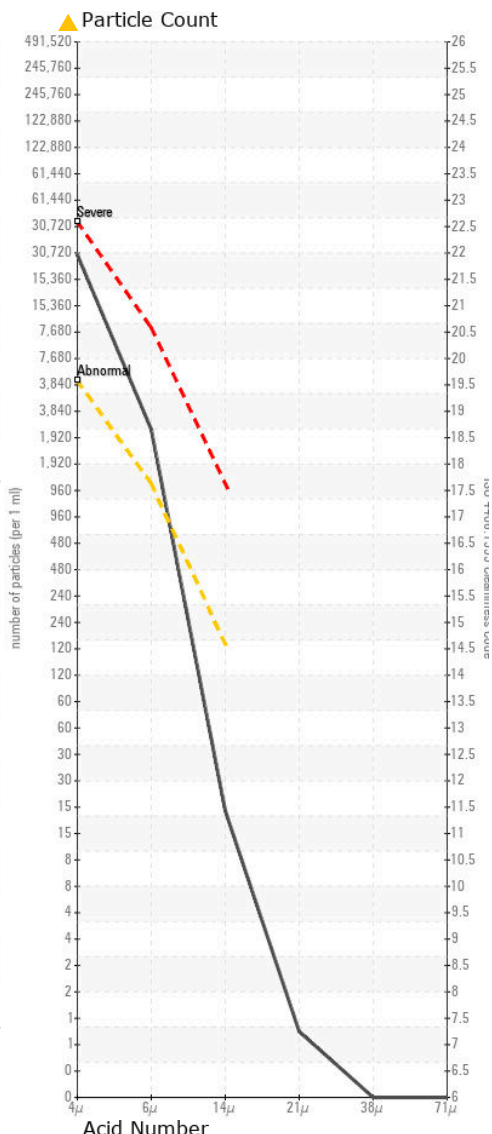
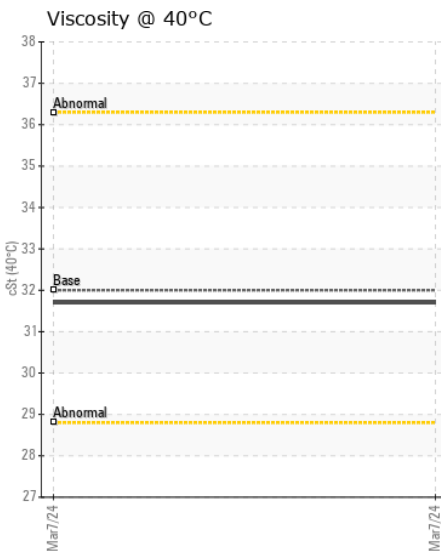
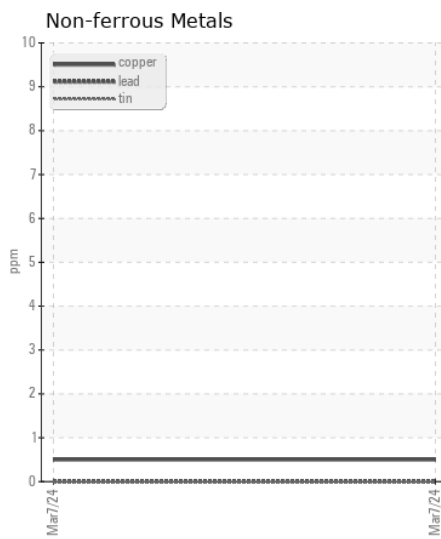
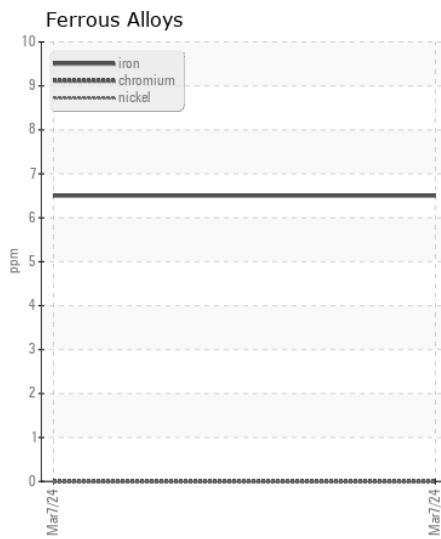
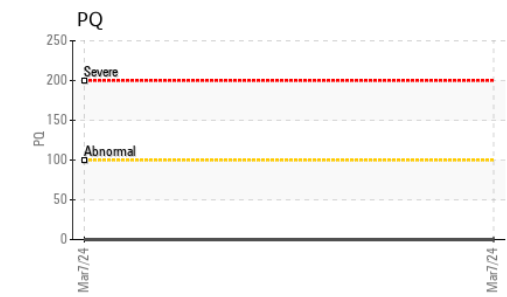
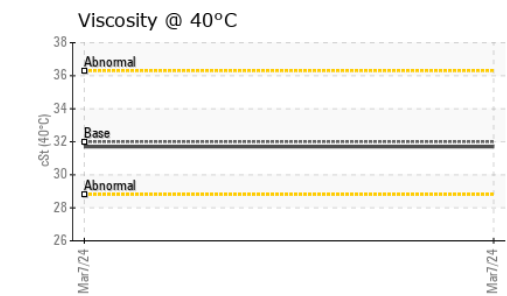
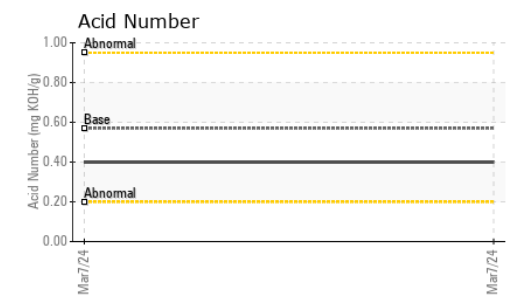
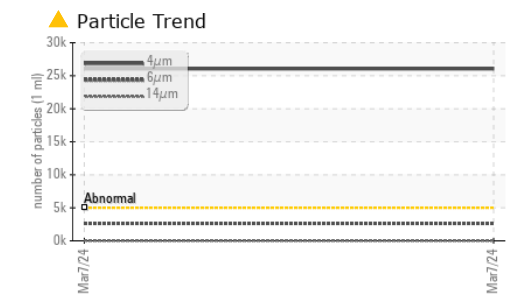
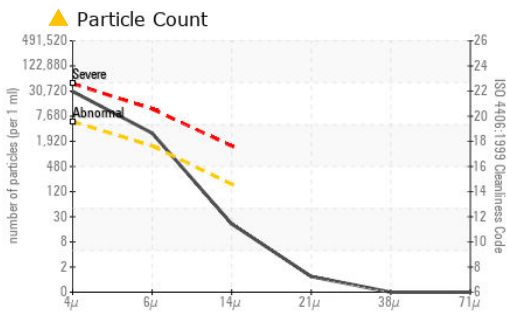
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Water		WC Method	>0.05	<b>NEG</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>▲ 26052</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>▲ 2642</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>18</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>1</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/19/11</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	---	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sodium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Boron	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	25	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185(m)	200	<b>50</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	300	<b>339</b>	---	---
Zinc	ppm	ASTM D5185(m)	370	<b>391</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2500	<b>1320</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	<b>0.40</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	32	<b>31.7</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CB0031643 **Received** : 22 May 2024  
**Lab Number** : 02636930 **Tested** : 27 May 2024  
**Unique Number** : 5786092 **Diagnosed** : 27 May 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: PQ )

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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