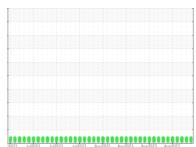


# **OIL ANALYSIS REPORT**

#### **Sample Rating Trend**



NORMAL



# QC230213IND2

Component

**Hydraulic System** 

**AW HYDRAULIC OIL ISO 68 (--- GAL)** 

## DIAGNOSIS

#### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. 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.

#### Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

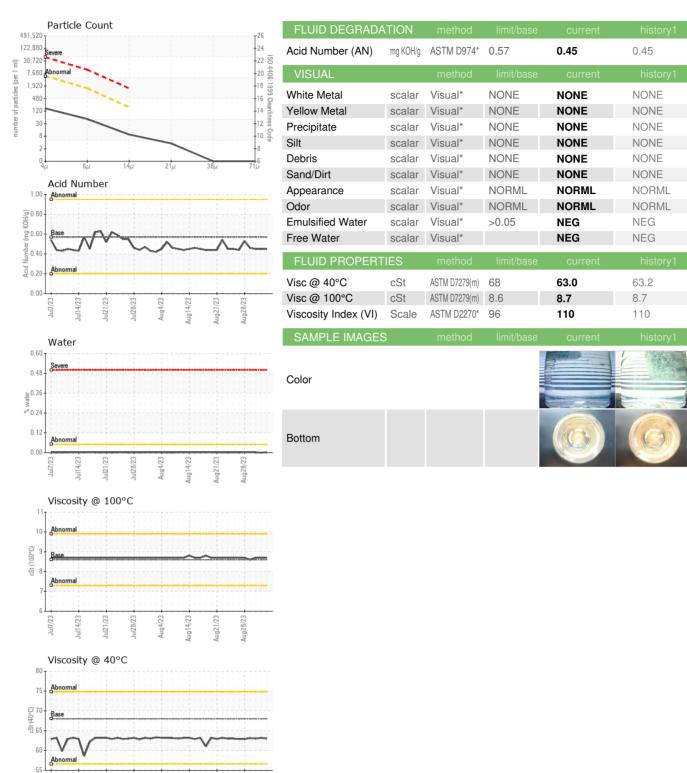
### **Fluid Condition**

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

2023 Ju2023 Ju2023 Ju2023 Aug2023 Aug2023 Aug2023 Aug2023 Aug2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0851499	WC0841394	WC0841393
Sample Date		Client Info		01 Sep 2023	31 Aug 2023	30 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	0	0	0
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>20	0	0	0
Copper	ppm	ASTM D5185(m)	>20	0	<1	0
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	0	0	0
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	5	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	25	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	200	42	42	43
Phosphorus	ppm	ASTM D5185(m)	300	355	359	359
Zinc	ppm	ASTM D5185(m)	370	414	422	431
Sulfur	ppm	ASTM D5185(m)	2500	685	694	700
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0	<1	0
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
Water	%	ASTM D6304*	>0.05	0.002	0.00	0.002
ppm Water	ppm	ASTM D6304*	>500	21.2	0.00	23.6
ppin water	ррпп				0.00	
FLUID CLEANLIN		method	limit/base	current	history1	history2
			limit/base >5000			history2 2221
FLUID CLEANLIN		method		current	history1	
FLUID CLEANLIN Particles >4µm		method ASTM D7647	>5000	current 143	history1	2221
FLUID CLEANLIN Particles >4µm Particles >6µm		method ASTM D7647 ASTM D7647	>5000 >1300	current 143 44	history1 143 51	2221 850
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm		method ASTM D7647 ASTM D7647 ASTM D7647	>5000 >1300 >160	current 143 44 8	history1 143 51 8	2221 850 111
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >1300 >160 >40	current 143 44 8 3	history1 143 51 8 3	2221 850 111 36



## **OIL ANALYSIS REPORT**





**CALA** ISO 17025:2017

Laboratory Sample No. Lab Number : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 WearCheck Quality Control Sample Results Received : WC0851499 : 01 Sep 2023

: 02580010 Diagnosed : 05 Sep 2023 Accredited **Unique Number** : 5633070 Diagnostician

: Wes Davis Test Package : IND 2 (Additional Tests: KF, KV100, VI)

CA Contact: Dorian Anderson

dorian.anderson@wearcheck.com T: (289)291-4652

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.

F: (905)569-8605

Burlington, ON

0.45

NONE

NONE

NONE

NONE

VLITE

NONE

NORML

NORML

NEG

NEG

63.0

8.7

110