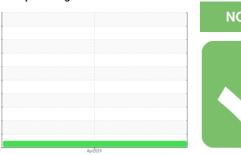


# **OIL ANALYSIS REPORT**

Sample Rating Trend







1000004712

**Hydraulic System** 

**AW HYDRAULIC OIL ISO 46 (1500 LTR)** 

### DIAGNOSIS

Machine Id

#### 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.

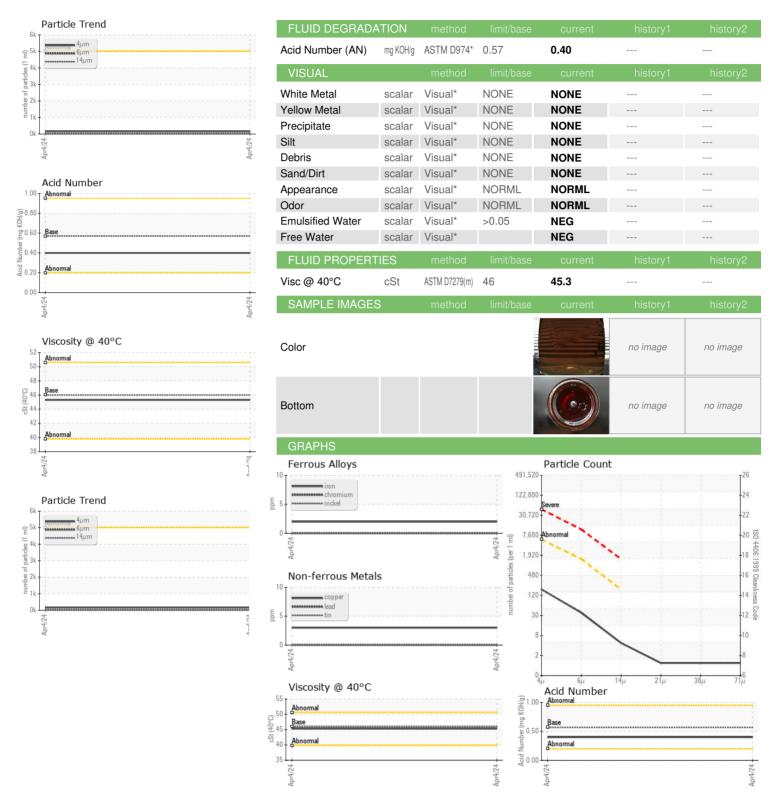
				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0905477		
Sample Date		Client Info		04 Apr 2024		
Machine Age		Client Info		0		
Oil Age		Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water	•	WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	nnm	ASTM D5185(m)	>20	2		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	0		
Titanium	ppm	ASTM D5185(m)	720	0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	0		
Lead	ppm	ASTM D5185(m)	>20	0		
Copper	ppm	ASTM D5185(m)	>20	3		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)	<i>&gt;</i> 20	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<1		
Barium	ppm	ASTM D5185(m)	5	0		
Molybdenum	ppm	ASTM D5185(m)	5	0		
Manganese	ppm	ASTM D5185(m)	5	0		
Magnesium	ppm	ASTM D5185(m)	25	14		
Calcium	ppm	ASTM D5185(m)	200	82		
Phosphorus	ppm	ASTM D5185(m)	300	331		
Zinc	ppm	ASTM D5185(m)	370	385		
Sulfur	ppm	ASTM D5185(m)	2500	676		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	161		
Particles >6µm		ASTM D7647	>1300	32		
Particles >14μm		ASTM D7647	>160	4		
Particles >21µm		ASTM D7647	>40	1		
Particles >38µm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647		1		

ISO 4406 (c) >19/17/14

Oil Cleanliness



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02628214 Unique Number : 5761346 Test Package : IND 2

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0905477

Received : 11 Apr 2024 **Tested** : 12 Apr 2024 Diagnosed : 12 Apr 2024 - Wes Davis

16 INDUSTRIAL PARK ROAD

TILBURY, ON CA NOP 2L0

Contact: Kevin Bindner kevin.bindner@ca.mahle.com T: (519)682-0444

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: (519)682-5054 Contact/Location: Kevin Bindner - SIETIL

MAHLE FILTER SYSTEMS CANADA