

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 1000004356

Hydraulic System

AW HYDRAULIC OIL ISO 46 (1800 LTR)

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.

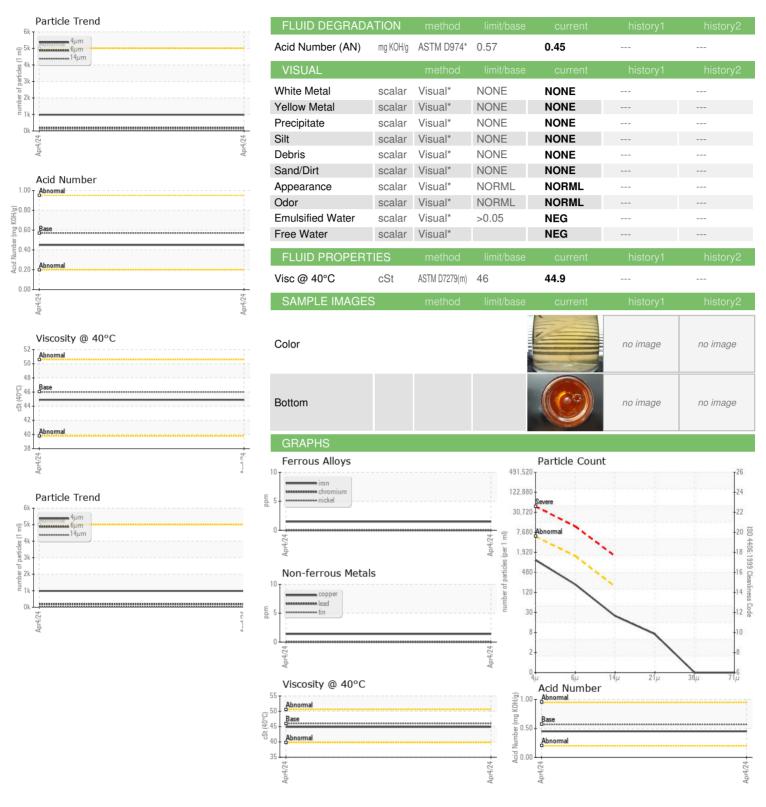
				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0905450		
Sample Date		Client Info		04 Apr 2024		
Machine Age		Client Info		0		
Oil Age		Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water	•	WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
	nnm	ASTM D5185(m)	>20	2		
Iron Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	<1		
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	1		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)	>20	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium		ASTM D5185(m)		0		
	ppm					
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)		0		
Magnesium	ppm	ASTM D5185(m)	25	3		
Calcium	ppm	ASTM D5185(m)	200	48		
Phosphorus	ppm	ASTM D5185(m)	300	330		
Zinc	ppm	ASTM D5185(m)	370	408		
Sulfur	ppm	ASTM D5185(m)	2500	713		
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	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	984		
Particles >6µm		ASTM D7647	>1300	184		
Particles >14μm		ASTM D7647	>160	21		
Particles >21µm		ASTM D7647	>40	6		
Particles >38µm		ASTM D7647	>10	0		
Particles >71μm		ASTM D7647		0		

ISO 4406 (c) >19/17/14

Oil Cleanliness



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Test Package : IND 2

: WC0905450 Lab Number : 02628198

Unique Number : 5761330

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 11 Apr 2024 **Tested** : 12 Apr 2024

Diagnosed : 12 Apr 2024 - Wes Davis

CA NOP 2L0 Contact: Kevin Bindner kevin.bindner@ca.mahle.com T: (519)682-0444

16 INDUSTRIAL PARK ROAD

MAHLE FILTER SYSTEMS CANADA

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.

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

F: (519)682-5054

TILBURY, ON