

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **MH-78** Component **Hydraulic System** Fluid **AW HYDRAULIC OIL ISO 46 (--- LTR)**

DIAGNOSIS

Recommendation

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

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.

			F80ZUZU			
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0113885	PCA0006151	
Sample Date		Client Info		15 Feb 2024	21 Feb 2020	
Machine Age	hrs	Client Info		13781	2180	
Oil Age	hrs	Client Info		2000	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				SEVERE	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	4	
Chromium	ppm	ASTM D5185m	>10	1	<1	
Nickel	ppm	ASTM D5185m	>10	<1	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		<1	<1	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	<1	1	
Copper	ppm	ASTM D5185m	>75	<1	4	
Tin	ppm	ASTM D5185m	>10	<1	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	<1	
Barium	ppm	ASTM D5185m	5	5	1	
Molybdenum	ppm	ASTM D5185m	5	<1	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	25	<1	7	
Calcium	ppm	ASTM D5185m	200	55	1340	
Phosphorus	ppm	ASTM D5185m	300	322	631	
Zinc	ppm	ASTM D5185m	370	463	775	
Sulfur	ppm	ASTM D5185m	2500	912	5155	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	2	
Sodium	ppm	ASTM D5185m		0	1	
Potassium	ppm	ASTM D5185m	>20	<1	2	
FLUID CLEANL	INESS.	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6 50607	972	
Particles >6µm		ASTM D7647	>1300	e 17533	393	
Particles >14µm		ASTM D7647	>160	• 1409	82	
Particles >21µm		ASTM D7647	>40	• 340	30	

ASTM D7647 >10

ASTM D7647 >3

10

0

ISO 4406 (c) >19/17/14 **23/21/18**

Particles >38µm

Particles >71µm

Oil Cleanliness

17/16/14

2 0



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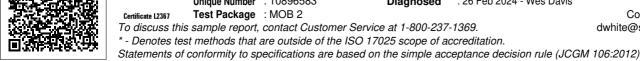
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-8 SCRAP METAL SERVICES (SMS Mill Services LLC) 250 WEST U.S. HWY 12 CHESTERTON, IN US 46304 Contact: DOMINIC WHITE dwhite@scrapmetalservices.com T: F:

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Contact/Location: DOMINIC WHITE - SCRBURIN

1.225

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

34.4

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18

14

5/24