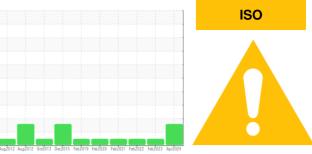


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

## **MAPLEN M-3**

Component Hydraulic System Fluid MOBIL HYDRAULIC OIL AW 46 (65 GAL)

### DIAGNOSIS

#### A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

#### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0885373	WC0691907	WC0559893
Sample Date		Client Info		03 Apr 2024	14 Feb 2023	09 Feb 2022
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				ABNORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	3	0
	ppm	ASTM D5185m	>20	<1	<1	<1
	ppm	ASTM D5185m	>20	0	0	<1
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>20	0	0	<1
	ppm	ASTM D5185m	>20	0	0	<1
-	ppm	ASTM D5185m	>20	2	3	3
	ppm	ASTM D5185m	>20	<1	0	0
	ppm	ASTM D5185m				<1
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	<1	<1
	ppm	ASTM D5185m		0	0	0
-	ppm	ASTM D5185m		34	34	36
	ppm	ASTM D5185m		241	226	246
	ppm	ASTM D5185m		286	276	286
	ppm	ASTM D5185m		3326	3214	3019
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
	ppm	ASTM D5185m		<1	0	0
	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		14605	937	1353
Particles >6µm		ASTM D7647	>1300	<u> </u>	273	251
Particles >14µm		ASTM D7647	>160	<u> </u>	20	17
Particles >21µm		ASTM D7647	>40	<u> </u>	5	4
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
		100 4400 ( )	14 - 7 14 4			10/15/11

ISO 4406 (c) >--/17/14 **A 21/19/15** 

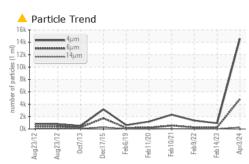
**Oil Cleanliness** 

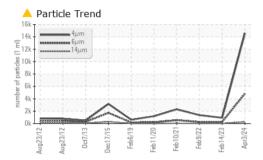
17/15/11

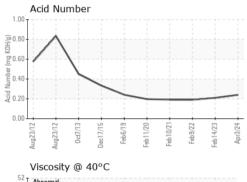
18/15/11

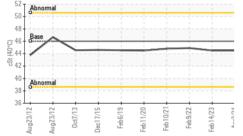


# **OIL ANALYSIS REPORT**



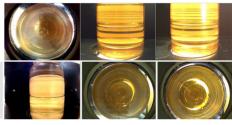




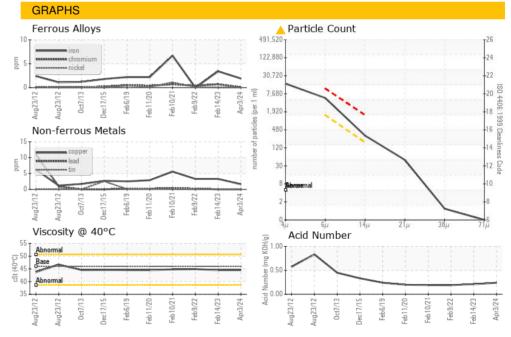


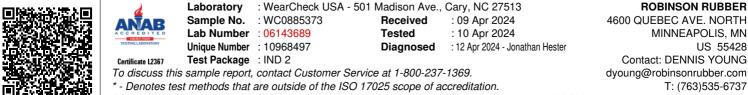
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.24	0.21	0.19
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.5	44.5	44.9
SAMPLE IMAGES	6	method	limit/base	current	history1	history2

Color



Bottom





\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: ROBMIN [WUSCAR] 06143689 (Generated: 04/12/2024 11:10:59) Rev: 1

Contact/Location: DENNIS YOUNG - ROBMIN

Page 2 of 2

F: (763)535-0828