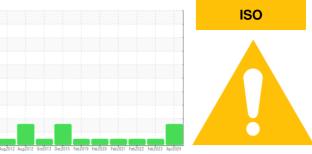


OIL ANALYSIS REPORT

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**

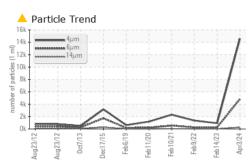
Oil Cleanliness

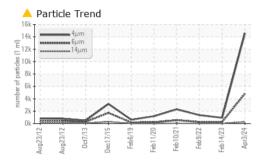
17/15/11

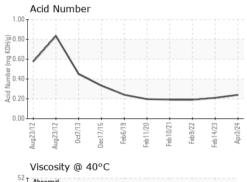
18/15/11

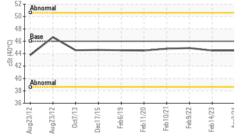


OIL ANALYSIS REPORT



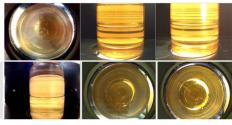




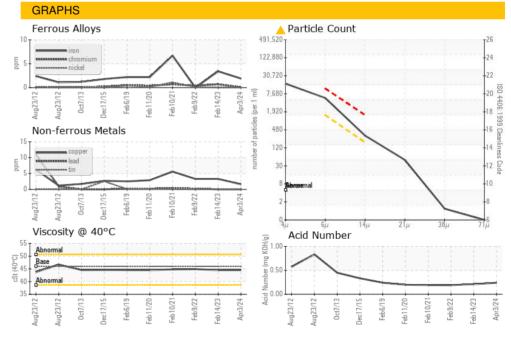


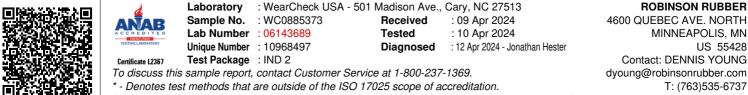
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.24	0.21	0.19
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	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)

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Contact/Location: DENNIS YOUNG - ROBMIN

Page 2 of 2

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