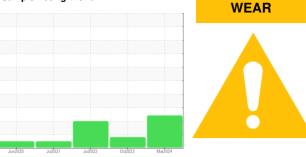


# **OIL ANALYSIS REPORT**





TEST CELL A4 - 2 Component **Hydraulic System** MOBIL DTE 25 (30 GAL)

# DIAGNOSIS

Area

## A Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

# 🔺 Wear

The copper level is abnormal. All other component wear rates are normal.

### Contamination

There is a moderate 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 INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0841238	WC0810918	WC0611433
Sample Date		Client Info		25 Mar 2024	31 Oct 2023	28 Jul 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
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	6	7	7
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	<1
Lead	ppm	ASTM D5185m	>20	0	<1	<1
Copper	ppm	ASTM D5185m	>20	<u> </u>	<b>A</b> 36	<b>A</b> 31
Tin I	ppm	ASTM D5185m	>20	0	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	1	1
Calcium	ppm	ASTM D5185m		99	100	100
Phosphorus	ppm	ASTM D5185m		408	402	419
Zinc	ppm	ASTM D5185m		589	626	631
Sulfur	ppm	ASTM D5185m		6189	6096	6874
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	1
	ppm	ASTM D5185m		2	0	0
	ppm	ASTM D5185m	>20	0	2	1
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	583	252	<b>1</b> 365
Particles >6µm		ASTM D7647	>160	<b>228</b>	55	232
Particles >14μm		ASTM D7647	>20	24	7	17
Particles >21µm		ASTM D7647	>4	5	2	2
Particles >38μm		ASTM D7647	>3	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0

ISO 4406 (c) >16/14/11 **16/15/12** 

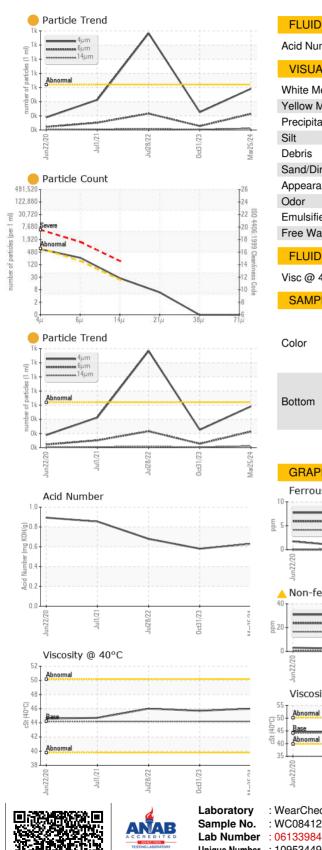
**Oil Cleanliness** 

15/13/10

▲ 18/15/11



# **OIL ANALYSIS REPORT**

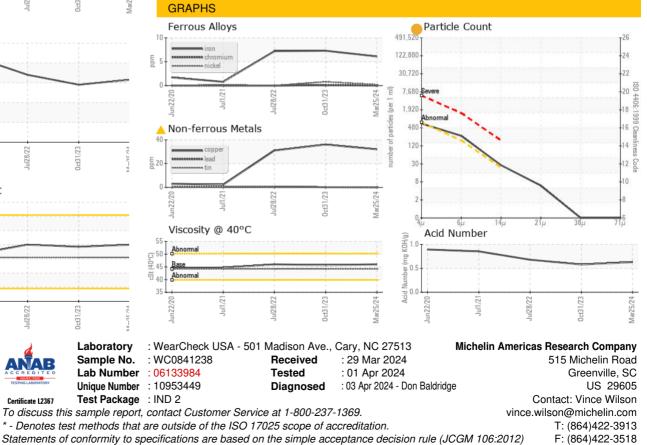


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63	0.58	0.68
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	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	44.2	46.0	45.7	46.0
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color



Bottom



Certificate L2367

Page 2 of 2