

# **OIL ANALYSIS REPORT**

Sample Rating Trend



TEST CELL A8 Component Hydraulic System Fluid MOBIL DTE 25 (--- GAL)

# DIAGNOSIS

Area

# Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. 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 high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

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

	424720 eb 2020
Machine Age hrs Client Info 0 3392	eb 2020
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Oil Age hrs Client Info 0 0	
Oil Changed Client Info Changed Chan	ged
Sample Status ABNORMAL ABNO	ORMAL
CONTAMINATION method limit/base current h	nistory1 history2
Water WC Method >0.05 NEG NE	EG
WEAR METALS method limit/base current h	history1 history2
Iron ppm ASTM D5185m >20 13 9	
Chromium ppm ASTM D5185m >20 <1 <1	
Nickel ppm ASTM D5185m >20 1 1	
Titanium ppm ASTM D5185m 0 0	
Silver ppm ASTM D5185m <1 <1	
Aluminum ppm ASTM D5185m >20 0 0	
Lead ppm ASTM D5185m >20 <1 <1	
Copper ppm ASTM D5185m >20 ▲ 66 ▲ 63	
Tin ppm ASTM D5185m >20 0 0	
Antimony ppm ASTM D5185m <1 0	
Vanadium ppm ASTM D5185m 0 0	
Cadmium ppm ASTM D5185m 5 4	
ADDITIVES method limit/base current h	history1 history2
Boron ppm ASTM D5185m 2 <1	
Barium ppm ASTM D5185m <1 <1	
Molybdenum ppm ASTM D5185m 0 0	
Manganese ppm ASTM D5185m <1 <1	
Magnesium ppm ASTM D5185m 4 1	
Calcium ppm ASTM D5185m 110 100	6
Phosphorus ppm ASTM D5185m 443 433	7
Zinc ppm ASTM D5185m 692 693	7
Sulfur ppm ASTM D5185m 5476 511	18
CONTAMINANTS method limit/base current h	history1 history2
Silicon ppm ASTM D5185m >15 2 <1	
Sodium ppm ASTM D5185m 6 4	
Potassium ppm ASTM D5185m >20 <1 <1	
FLUID CLEANLINESS method limit/base current h	history1 history2
Particles >4µm ASTM D7647 >640 ▲ 11745 293	35
Particles >6μm ASTM D7647 >160 ▲ 1268 664	4
Particles >14μm ASTM D7647 >20 17 42	
Particles >21μm ASTM D7647 >4 3 10	
Particles >38μm ASTM D7647 >3 0 3	

ASTM D7647 >3

0

ISO 4406 (c) >16/14/11 **A 21/17/11** 

Particles >71µm

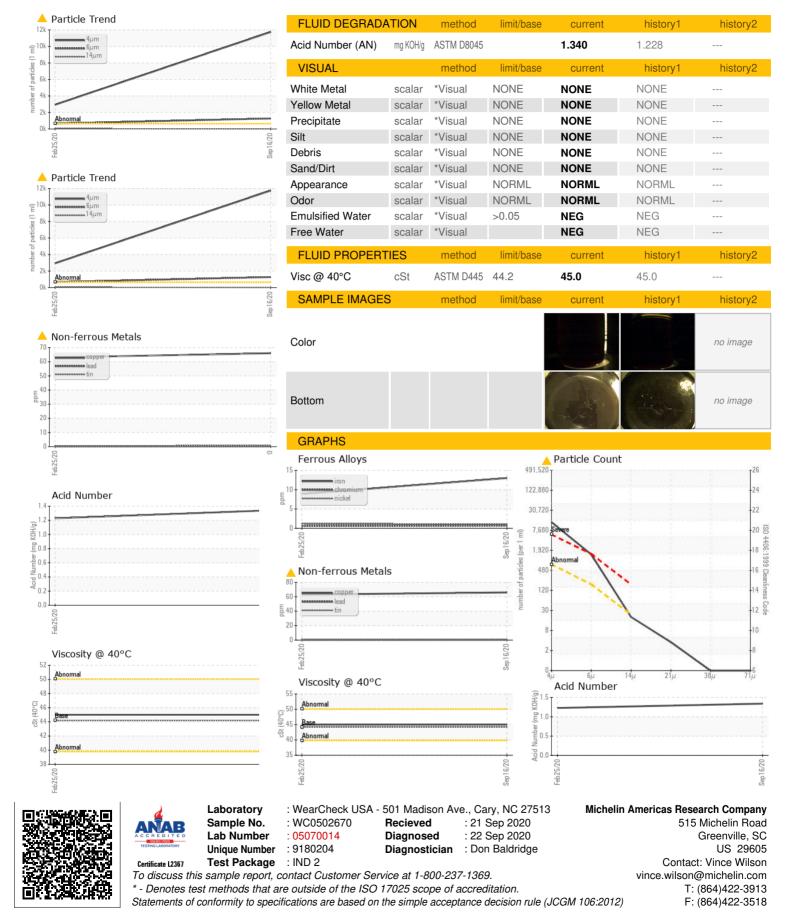
**Oil Cleanliness** 

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19/17/13



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