

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

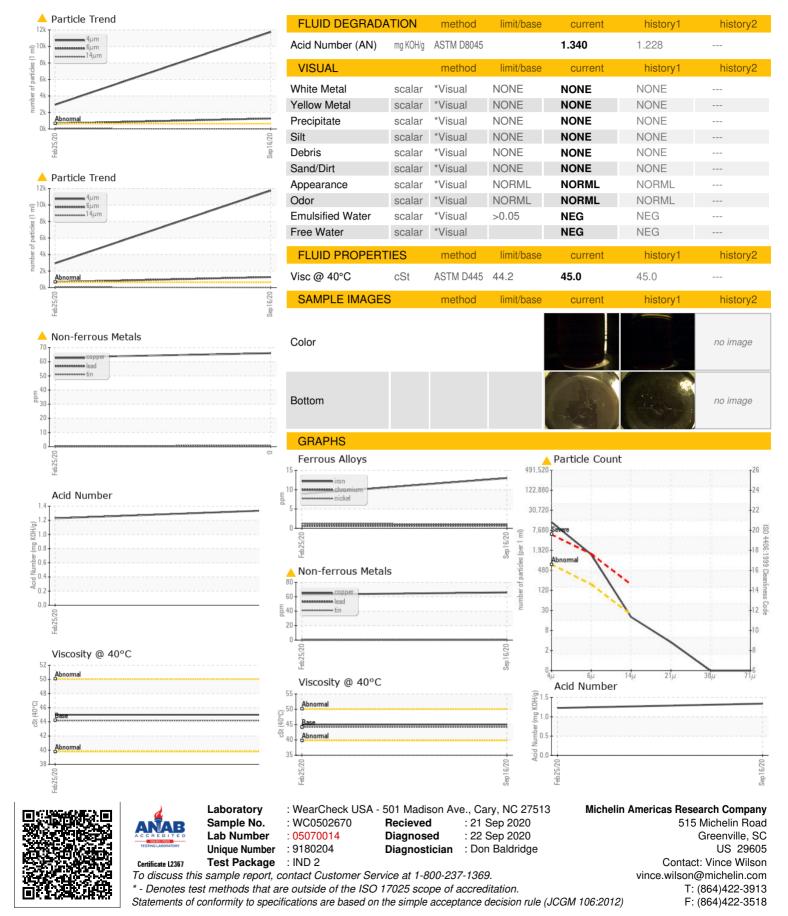
Oil Cleanliness

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19/17/13



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Page 2 of 2