

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area MINING Machine Id ME-003 CATERPILLAR 980M MK210364 Front Right Final Drive Fluid

MOBIL MOBILTRANS HD 50 (--- GAL)

DIAGNOSIS SAMPLE INFORMATION method WC0929550 Sample Number **Client Info** Recommendation Resample at the next service interval to monitor. 04 Jun 2024 Sample Date Client Info 19831 Machine Age hrs **Client Info** Wear All component wear rates are normal. Oil Age hrs Client Info 1000 Oil Changed Client Info Not Changd Contamination NORMAL Sample Status There is no indication of any contamination in the oil CONTAMINATION Fluid Condition Water WC Method >0.2 NEG Confirm oil type. The condition of the oil is acceptable for the time in service. WEAR METALS Iron ppm ASTM D5185m >800 179 Chromium ASTM D5185m >10 <1 ppm Nickel 0 ppm ASTM D5185m >5 Titanium ASTM D5185m >15 3 ppm 0 Silver >2 ppm ASTM D5185m Aluminum ppm ASTM D5185m >75 2 Lead ASTM D5185m >10 0 ppm Copper 18 ppm ASTM D5185m >75 0 Tin ASTM D5185m >8 ppm Vanadium 0 ppm ASTM D5185m Cadmium 0 ppm ASTM D5185m ASTM D5185m 0 Boron ppm Barium ppm ASTM D5185m 0 Molvbdenum ASTM D5185m <1 ppm ASTM D5185m 2 Manganese ppm Magnesium ASTM D5185m 20 ppm Calcium ASTM D5185m ppm 3159 Phosphorus ASTM D5185m 1065 ppm Zinc ppm ASTM D5185m 1264 Sulfur ASTM D5185m 7315 ppm Silicon ppm ASTM D5185m >400 11 Sodium ASTM D5185m 16 ppm Potassium ASTM D5185m >20 0 ppm VISUAL White Metal scalar *Visual NONE NONE Yellow Metal *Visual NONE NONE scalar Precipitate *Visual NONE NONE scalar Silt scalar *Visual NONE NONE Debris *Visual NONE NONE scalar Sand/Dirt scalar *Visual NONE NONE *Visual Appearance NORML NORML scalar Odor NORML NORML scalar *Visual **Emulsified Water** NEG scalar *Visual >0.2 Free Water scalar *Visual NEG Report Id: COVLUG [WUSCAR] 06203114 (Generated: 06/10/2024 15:45:29) Rev: 1 Submitted By: Chris Bowers

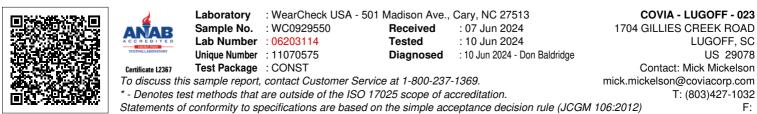
Submitted By: Chris Bow



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v	íscosity @ 40°C	
	Abnormal	
220 -		
200 -	Base	
180-		
5 180 - E 160 - S 140 - E		
3 140 - 4	Abnormal	
120 -		
100-		
80 L		
1/24		
un4/		

Visc @ 40°C	cSt	ASTM D445	195	99.4		
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Ferrous Alloys						
iron			-			
- nickel						
) •						
)						
•						
274 274	********		Jun4/24			
Jun4/24			Jun4			
Non-ferrous Me	tals					
copper						
tin						
) =						
) <u>L</u>						
Jun4/24			Jun4/24 4			
Viscosity @ 40°	С					
Abnormal						
Base						
Abnormal						
Abnormal						
•						
-						
			24			
Jun4/24			Jun4/24			



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