

OIL ANALYSIS REPORT

Sample Rating Trend





DIAGNOSIS

Contamination

Fluid Condition

to monitor.

Wear

service.

Recommendation

Area

MINING ME-022 CATERPILLAR 980 WFX00241 **Hydraulic System**

MOBIL HYDRAULIC 10W (--- GAL)

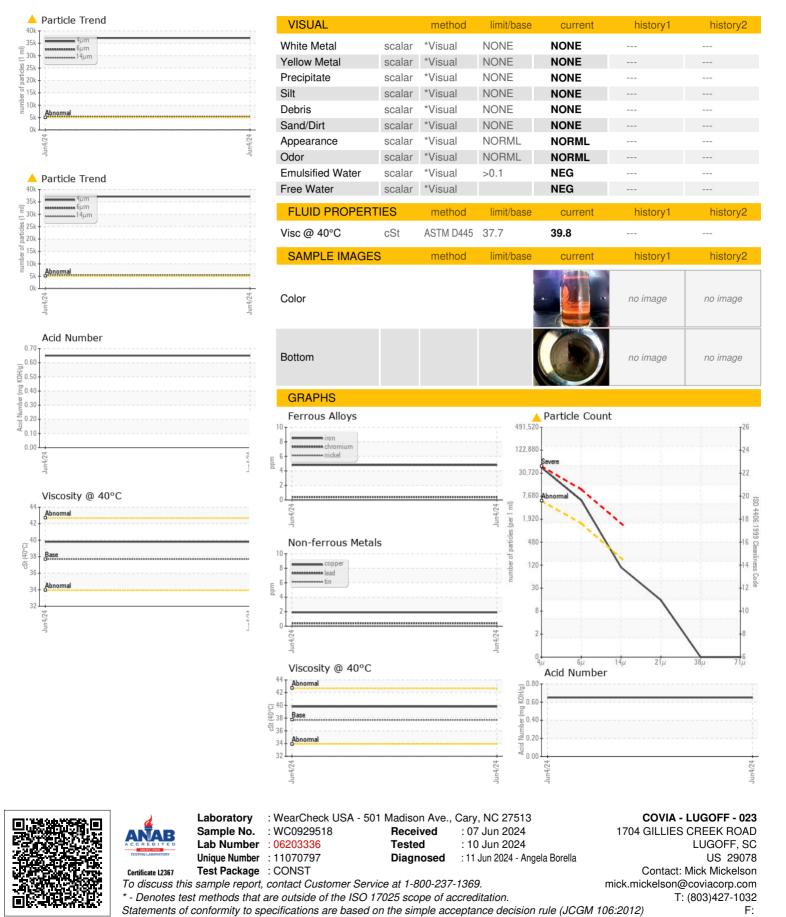
SAMPLE INFORMATION method limit/base current history1 history2 WC0929518 Sample Number **Client Info** Oil and filter change at the time of sampling has 04 Jun 2024 Sample Date Client Info been noted. Resample at the next service interval 6311 Machine Age hrs **Client Info** Oil Age hrs Client Info 500 Oil Changed Client Info Changed All component wear rates are normal. ABNORMAL Sample Status CONTAMINATION method limit/base current history1 history2 There is a high amount of silt (particulates < 14 microns in size) present in the oil. Water WC Method >0.1 NEG WEAR METALS limit/base method current historv1 history2 The AN level is acceptable for this fluid. The Iron ppm ASTM D5185m >20 5 condition of the oil is acceptable for the time in Chromium ASTM D5185m >10 ppm <1 Nickel 0 ppm ASTM D5185m >10 Titanium ASTM D5185m ppm <1 Silver n ppm ASTM D5185m Aluminum ppm ASTM D5185m >10 11 Lead ASTM D5185m >10 <1 ppm 2 Copper ppm ASTM D5185m >75 0 Tin ASTM D5185m >10 ppm Vanadium 0 ppm ASTM D5185m Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 5 Boron ppm ASTM D5185m Barium ppm ASTM D5185m 0 Molvbdenum ppm ASTM D5185m 5 ASTM D5185m 0 Manganese ppm Magnesium ASTM D5185m 49 ppm Calcium ASTM D5185m 317 ppm Phosphorus ASTM D5185m 641 ppm Zinc ppm ASTM D5185m 783 Sulfur ASTM D5185m 2029 ppm CONTAMINANTS limit/base method current history1 history2 Silicon ppm ASTM D5185m >20 12 Sodium ASTM D5185m 0 ppm Potassium ASTM D5185m >20 <1 ppm **FLUID CLEANLINESS** limit/base current history1 history2 method Particles >4µm ASTM D7647 >5000 37133 Particles >6µm ASTM D7647 >1300 5241 Particles >14µm 93 ASTM D7647 >160 Particles >21µm ASTM D7647 >40 13 0 Particles >38µm ASTM D7647 >10 Particles >71µm ASTM D7647 >3 0 **Oil Cleanliness** >19/17/14 22/20/14 ISO 4406 (c) **FLUID DEGRADATION** method limit/base current history1 history2 mg KOH/g ASTM D8045 0.65

Acid Number (AN) Report Id: COVLUG [WUSCAR] 06203336 (Generated: 06/11/2024 18:26:26) Rev: 1

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