

## **OIL ANALYSIS REPORT**

## Area **BIRNSTENGAL EQUIPMENT** HYSTER 2017 HYSTER S50FT (S/N H187V08482R)

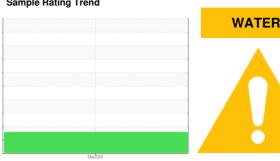
**Propane Engine** Fluic

Wear

the oil.

{not provided} (--- GAL)

## DIAGNOSIS SAMPLE INFORMATION method limit/base current history1 history2 WC0924830 Sample Number **Client Info** Recommendation We advise that you check for the source of water 29 Mar 2024 Sample Date Client Info entry. We recommend an early resample to monitor Client Info 0 Machine Age hrs this condition. Oil Age hrs Client Info 0 Oil Changed N/A **Client Info** All component wear rates are normal. Sample Status ABNORMAL Contamination WEAR METALS method limit/base current history1 history2 There is a high concentration of water present in >100 2 Iron ppm ASTM D5185m Chromium ASTM D5185m >25 0 ppm Fluid Condition The BN result indicates that there is suitable Nickel ppm ASTM D5185m >5 0 alkalinity remaining in the oil. The condition of the Titanium ASTM D5185m 0 ppm oil is acceptable for the time in service. Silver ppm ASTM D5185m >5 0 Aluminum ASTM D5185m >20 2 ppm Lead ASTM D5185m >25 0 ppm ASTM D5185m >35 Copper ppm <1 Tin ppm ASTM D5185m >8 0 Vanadium ASTM D5185m ppm <1 Cadmium ppm ASTM D5185m 0 **ADDITIVES** limit/base current history2 method history1 74 Boron ppm ASTM D5185m Barium ppm ASTM D5185m <1 Molybdenum 135 ppm ASTM D5185m 0 Manganese ppm ASTM D5185m ASTM D5185m 427 Magnesium ppm Calcium ASTM D5185m 1175 ppm Phosphorus ppm ASTM D5185m 622 Zinc ASTM D5185m 804 ppm Sulfur ppm ASTM D5185m 2199 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 8 Sodium ppm ASTM D5185m <1 Potassium ASTM D5185m >20 1 ppm 0.981 Water % ASTM D6304 >0.1 ASTM D6304 9810 ppm Water ppm >1000 **INFRA-RED** limit/base method current history1 history2 0.1 Soot % % \*ASTM D7844 Nitration Abs/cm \*ASTM D7624 >20 5.1 Sulfation Abs/.1mm \*ASTM D7415 >30 11.0



Sample Rating Trend



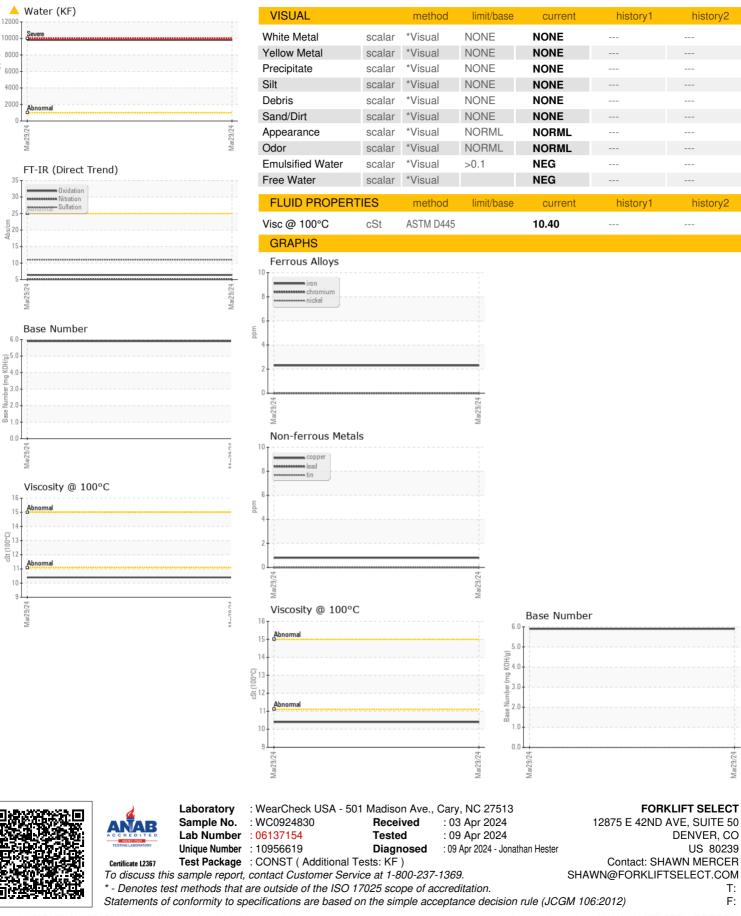
Water (ppm)

КОН

Base

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Contact/Location: SHAWN MERCER - FORDEN

US 80239

T:

F:

history2

history2