OIL ANALYSIS REPORT

SLEEPING BEAR YANMAR 00632 - STARBOARD GEAR UNIT

Sample No: VPA039168 Oil Type: {unknown}

Manganese

ppm

SAMPLE INFORMATION VPA039168 Sample Number Sample Date 10 May 2024 Machine Hours 1142 0 **Oil Hours** Oil Changed N/A ABNORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 103 CONTAMINATION % Water NEG Silicon ppm **17** Sodium 3 ppm Potassium ppm ■ <1 WEAR METALS PO 26 44 Iron ppm Copper ppm Lead **A** 21 ppm 0 Tin ppm 2 Aluminum ppm Chromium 0 ppm 56 Molybdenum ppm **||** <1 Nickel ppm Titanium 0 ppm Silver 0 ppm

Vanadium 0 ppm **ADDITIVES** 1454 Calcium ppm 490 Magnesium ppm Zinc ppm 918 793 Phosphorus ppm Barium 1 ppm Boron ppm 5

Pratt Diesel Ltd.

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Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.Copper and lead ppm levels are abnormal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

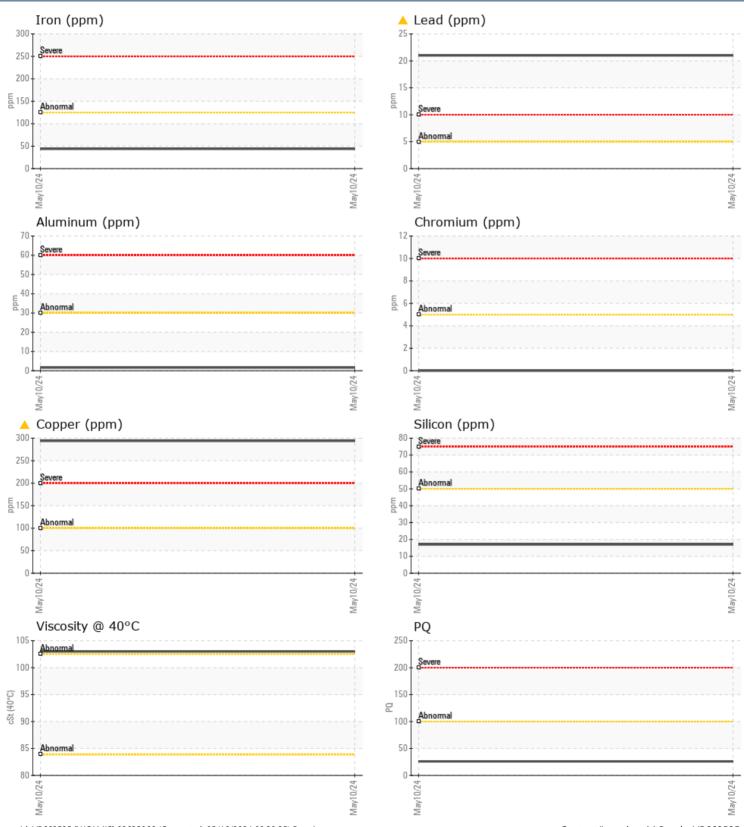
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GRAPHS



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Contact/Location: M Boyd - VP662525