OIL ANALYSIS REPORT

DETROIT DETROIT 6-7 1TBT485HP - PORT DIESEL ENGINE

Sample No: VPA036376

Oil Type: SHELL ROTELLA T 40

SAMPLE INFORMATION VPA036376 Sample Number **BEST MARINE** Sample Date 20 Dec 2023 Machine Hours 1000 **Oil Hours** 100 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 13.6 Base Number (BN) mg KOH/g 7.8 Oxidation (PA) % 28 Oil and filter change at the time of CONTAMINATION sampling has been noted. We % NEG Water % Soot % 0.6 Nitration (PA) % 39 % Sulfation (PA) 40 condition of the oil is acceptable for Glycol % NEG the time in service. Fuel % <1.0 Silicon 12 ppm Sodium 1 ppm Potassium 1 ppm WEAR METALS **285** Iron ppm 12 Copper ppm Lead 2 ppm Tin **A** 25 ppm Aluminum 2 ppm Chromium 5 ppm Molybdenum 118 ppm Nickel 0 ppm Titanium ppm 0 Silver 0 ppm Manganese 1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 2652 ppm Magnesium **107** ppm Zinc ppm 1141 Phosphorus ppm 991 Barium 0 🔲 ppm Boron ppm 2 Depot: Unique No:

recommend an early resample to monitor this condition.Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The

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Contact/Location: PETE ROESTENBERG - VPBESTAR

Signed:

Report Date:

VPBESTAR

10823147

Doug Bogart

11 Jan 2024



24 RIVERVIEW AVE TARRYTOWN, NY US 10591

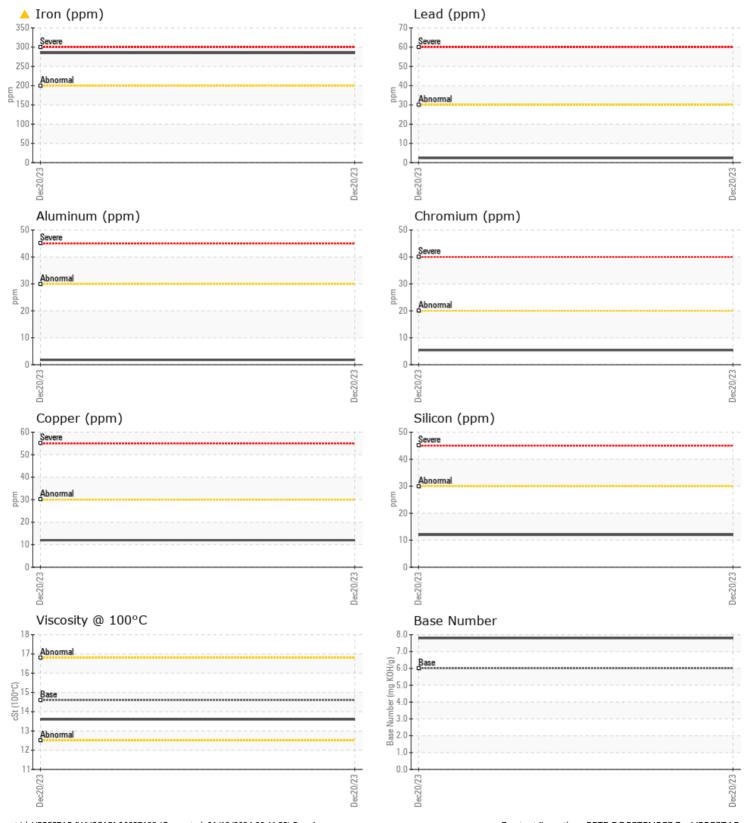
Contact: PETE ROESTENBERG PETEMARINE27@OUTLOOK.COM T: (516)807-5340

Diagnosis

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GRAPHS



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