OIL ANALYSIS REPORT

ESERNIA 690-42 VOLVO PENTA 20132126537 - PORT DIESEL ENGINE

VPA059887 Sample No:

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA059887 Sample Number **Outstanding Marine** Sample Date 07 Nov 2023 PO Box 274 Machine Hours 160 **Oil Hours** 0 N/A Oil Changed ATTENTION Sample Status Т٠ **OIL CONDITION** F: Visc @ 100°C cSt 12.7 Base Number (BN) mg KOH/g 8.1 Oxidation (PA) % 53 CONTAMINATION Water % NEG % Soot % 0.4 Nitration (PA) % 53 Sulfation (PA) % 55 Glycol % NEG Fuel % <1.0 Silicon **A** 37 ppm Sodium 1 ppm Potassium 31 ppm WEAR METALS Iron 22 ppm 10 Copper ppm Lead 2 ppm Tin 2 ppm Aluminum ppm 14 Chromium <1 ppm Molybdenum 54 ppm Nickel **||** <1 ppm Titanium ppm **||** <1 Silver 0 ppm Manganese 2 ppm Vanadium ppm 0 **ADDITIVES** Calcium 3216 ppm 71 Magnesium ppm Zinc ppm 1124 Phosphorus ppm 962 Barium 1 ppm Boron ppm 322 Depot:

GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

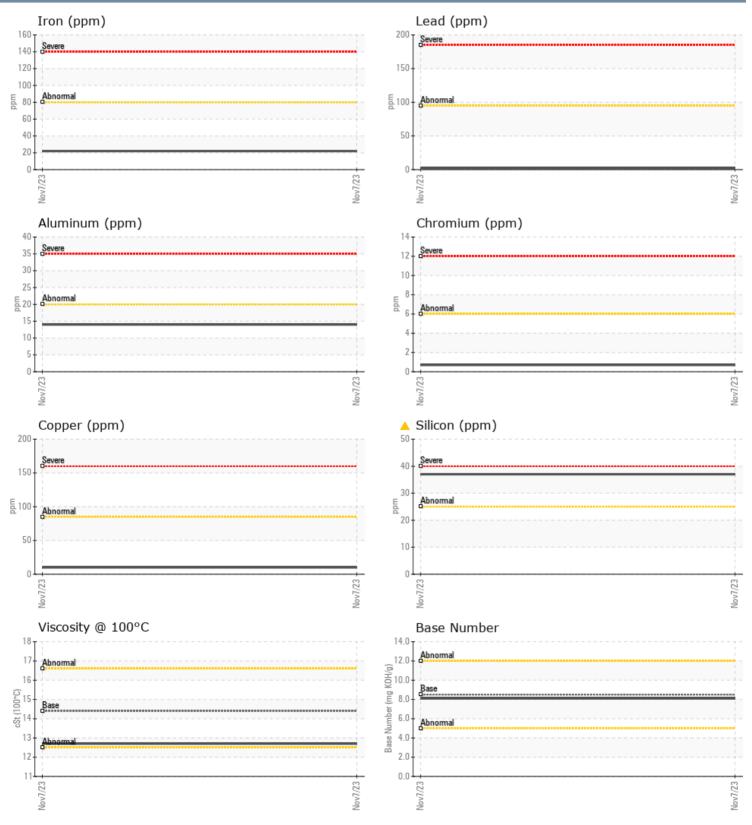
Contact/Location: Ronda Bolinger - VP153685



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GRAPHS



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