OIL ANALYSIS REPORT

IMMRAMA 23-2794 VOLVO PENTA A412371 - PORT DIESEL ENGINE

Sample No: VPA057497

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION VPA057497 Sample Number Sample Date 14 Dec 2023 Machine Hours 1147 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status Т٠ **OIL CONDITION** F: 13.7 Visc @ 100°C cSt Base Number (BN) mg KOH/g 9.5 Oxidation (PA) % 74 CONTAMINATION % Water NEG % Soot % 0.1 Nitration (PA) % 73 % Sulfation (PA) 57 Glycol % NEG Fuel % <1.0 Silicon 3 ppm Sodium 0 🔲 ppm Potassium **||** <1 ppm WEAR METALS Iron 3 ppm 2 Copper ppm Lead 0 🔲 ppm Tin ppm ■ <1 Aluminum ppm **|** <1 Chromium 0 ppm 53 Molybdenum ppm Nickel 0 🔲 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1110 ppm Magnesium 876 ppm Zinc ppm 1268 Phosphorus ppm 988 Barium 0 ppm Boron ppm 14 Depot:

VOLVO PENTA

Outstanding Marine PO Box 274 GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net T:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. 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.

 Depot:
 VP153685

 Unique No:
 10792805

 Signed:
 Don Baldridge

 Report Date:
 20 Dec 2023

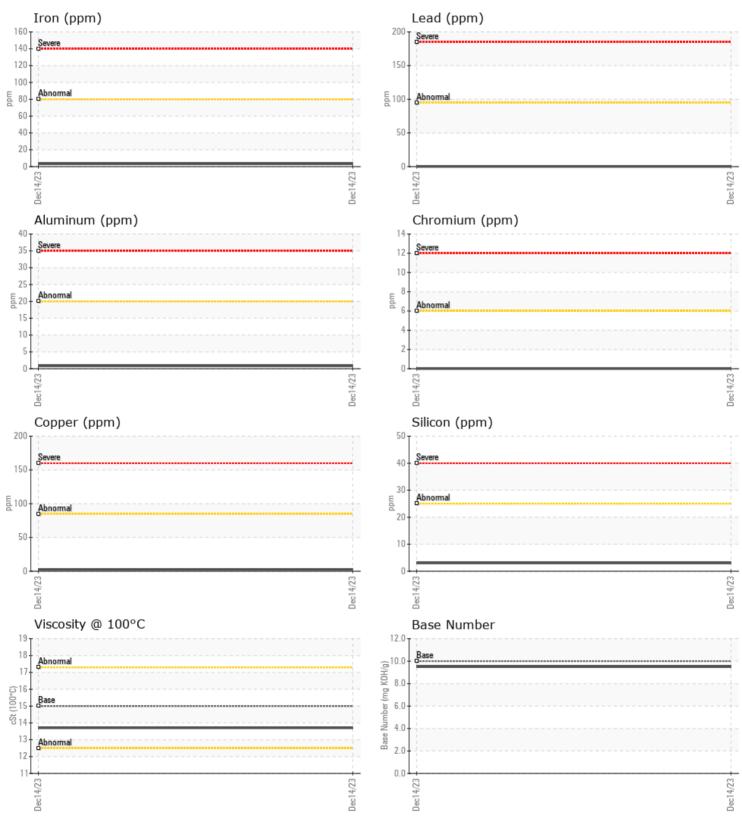
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Contact/Location: Ronda Bolinger - VP153685

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GRAPHS



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