OIL ANALYSIS REPORT

MD PILOTS 6535 VOLVO PENTA 1016132824 - STARBOARD DIESEL ENGINE

Sample No: VPA051841

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

SAMPLE INFORMATION VPA051841 Sample Number 13 Feb 2024 Sample Date Machine Hours 4117 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status T: **OIL CONDITION** F: 13.0 Visc @ 100°C cSt Base Number (BN) mg KOH/g 8.6 Oxidation (PA) % 91 CONTAMINATION % Water NEG % Soot % 0.5 Nitration (PA) % 73 % Sulfation (PA) 69 Glycol % NEG Fuel % <1.0 Silicon 6 ppm Sodium 0 🔲 ppm Potassium 1 ppm WEAR METALS 10 Iron ppm 1 Copper ppm Lead ppm 3 Tin 1 ppm Aluminum ppm 2 Chromium <1 ppm 39 Molybdenum ppm Nickel **||** <1 ppm Titanium ppm **||** <1 0 Silver ppm Manganese 0 🔲 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1588 ppm Magnesium **459** ppm Zinc ppm 834 Phosphorus ppm 787 Barium 12 ppm Boron ppm 34 Depot: Unique No:

Western Branch Diesel, Inc. - VP527273 3504 SHIPWRIGHT ST PORTSMOUTH, VA US 23703 Contact: David Shook dshook@wbdiesel.com

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 suitable for further service.



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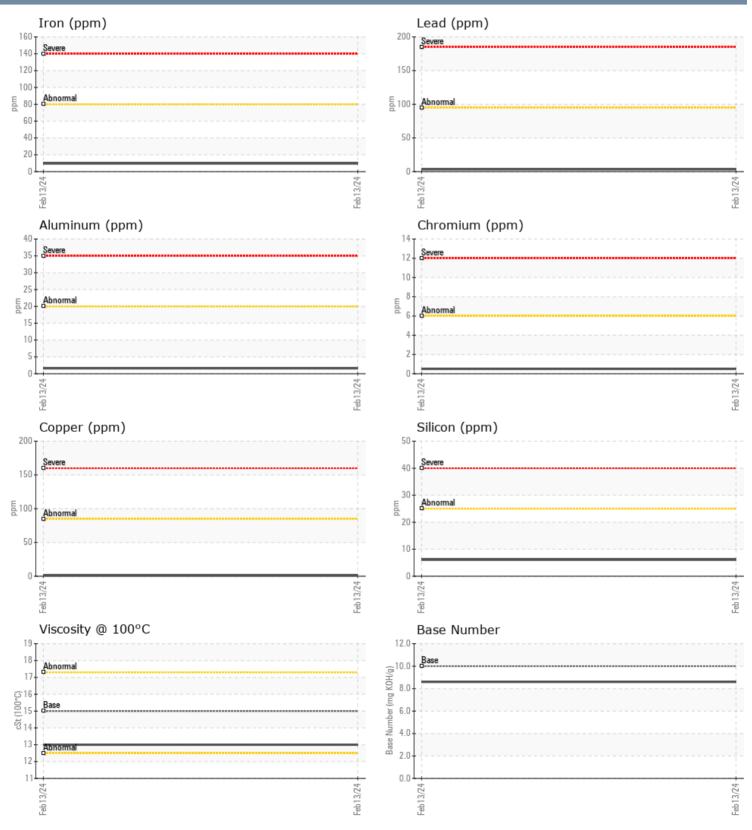
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Contact/Location: David Shook - VP155396

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GRAPHS



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