OIL ANALYSIS REPORT

LARRY SPILLANE MATTHEW DOW VOLVO PENTA 7008515006 - PORT DIESEL ENGINE

Sample No: VPA060801

Oil Type: VALVOLINE PREMIUM BLUE

SAMPLE INFORMATION VPA060801 VPA043334 Sample Number Sample Date 12 Oct 2023 03 Oct 2022 Machine Hours 138 85 **Oil Hours** 53 57 Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C 14.3 cSt 14.1 Base Number (BN) mg KOH/g 9.1 10.8 Oxidation (PA) % 70 70 CONTAMINATION Water % NEG NFG % Soot % 0.3 0.3 Nitration (PA) % 63 64 59 Sulfation (PA) % 57 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 10 12 ppm Sodium 2 3 ppm Potassium 0 0 ppm WEAR METALS Iron 8 11 ppm 44 37 Copper ppm Lead ppm 0 < 1 Tin <1 ppm ■ <1 Aluminum 2 ppm 1 Chromium <1 < 1 ppm 45 Molybdenum 51 ppm Nickel ■ <1</p> <1 ppm Titanium ppm 0 🔲 0 Silver ■ <1 <1 ppm Manganese <1 < 1 ppm 0 Vanadium 0 ppm **ADDITIVES** 1474 Calcium 1127 ppm Magnesium **798** 615 ppm Zinc ppm 900 1104 Phosphorus ppm 695 945 Barium 0 0 ppm Boron ppm 41 90



Mobile Marine Services Inc 01032 Advance Rd South EAST JORDAN, MI US 49727 Contact: Duane Kujat mobilemarine@twin-valley.net T: Phone

Diagnosis

F:

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:
 VP443016

 Unique No:
 10742631

 Signed:
 Sean Felton

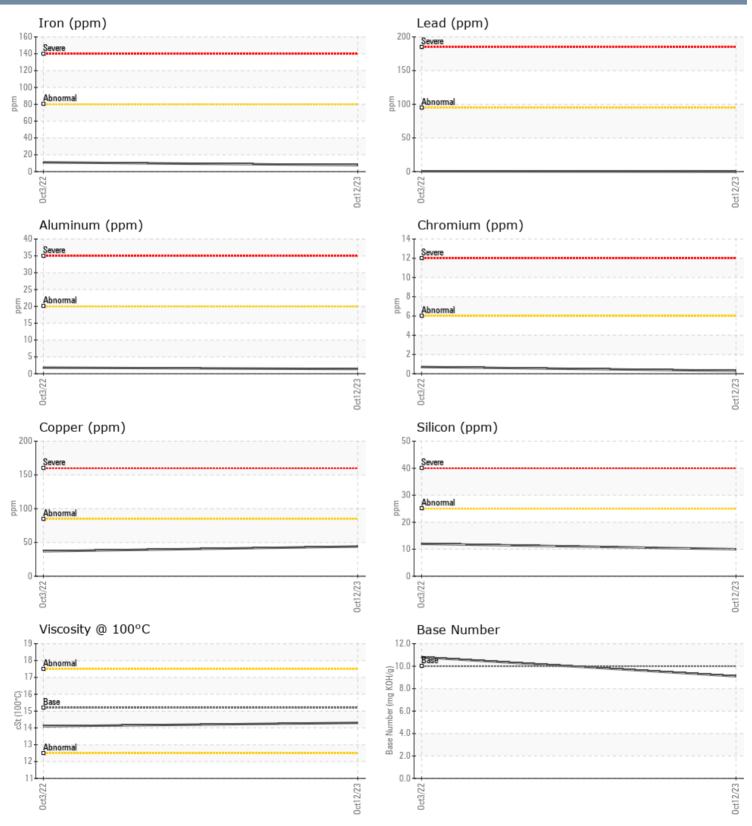
 Report Date:
 16 Nov 2023

Contact/Location: Duane Kujat - VP443016

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GRAPHS



Report Id: VP443016 [WUSCAR] 06008869 (Generated: 11/30/2023 10:04:34) Rev: 1

Contact/Location: Duane Kujat - VP443016