OIL ANALYSIS REPORT

BRUCE RANNEY VOLVO PENTA 7008480210 - PORT DIESEL ENGINE

Sample No: VPA059815

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION Sample Number VPA059815 VPA044503 Sample Date 29 Oct 2023 25 Oct 2022 Machine Hours 0 327 0 **Oil Hours** 0 Oil Changed N/A Changed NORMAL Sample Status NORMAL **OIL CONDITION** F: Visc @ 100°C cSt 14.4 13.3 Base Number (BN) mg KOH/g 8.1 11.5 Oxidation (PA) % 62 59 CONTAMINATION 0.4 Soot % % 0.3 % Nitration (PA) 48 50 Sulfation (PA) % 55 57 % Glycol NEG NEG Fuel % <1.0 <1.0 Silicon ppm 8 8 Sodium 2 2 ppm Potassium ppm 6 🔲 <1 WEAR METALS 15 Iron ppm 4 14 Copper 12 ppm < 1 Lead ppm 0 Tin 0 <1 ppm Aluminum ppm ■ <1 < 1</p> <1 Chromium 0 ppm Molybdenum 59 ppm 5 Nickel ■ <1 1 ppm Titanium 0 🔲 0 ppm Silver ppm **||** <1 0 Manganese ■ <1 < 1 ppm Vanadium 0 0 ppm **ADDITIVES** Calcium 1780 1069 ppm Magnesium 152 945 ppm 1065 Zinc ppm 1264 Phosphorus ppm 995 1007 Barium ppm 3 0 Boron ppm 165 2

BAY MARINE

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: BRENDAN COWHEY brendan@baymarine.net T: (847)336-2628 E.

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.

 Depot:
 VP1174336

 Unique No:
 10715305

 Signed:
 Don Baldridge

 Report Date:
 31 Oct 2023

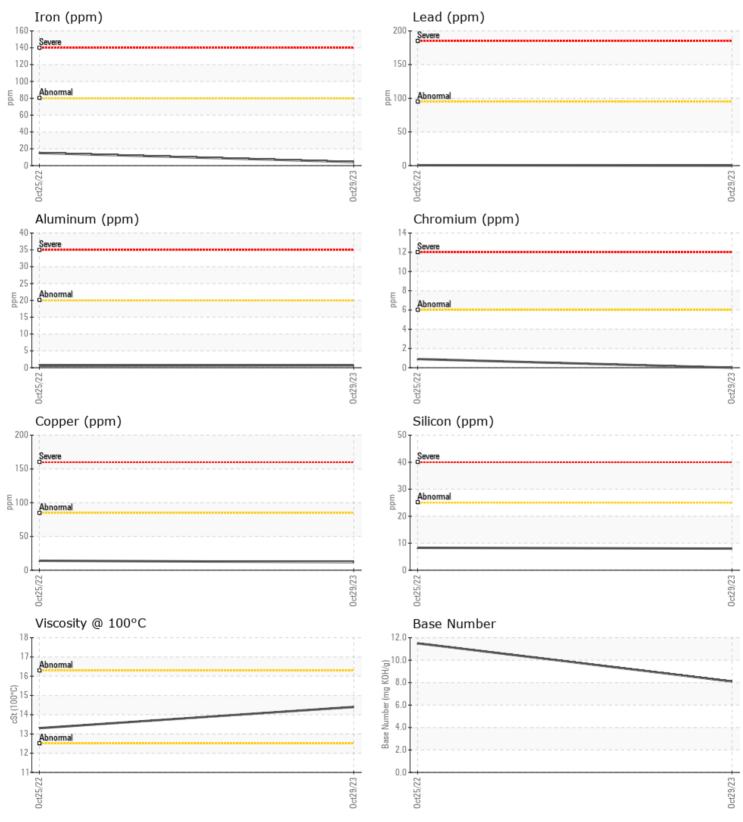
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GRAPHS



Report Id: VP1174336 [WUSCAR] 05992643 (Generated: 10/31/2023 13:53:36) Rev: 1

Contact/Location: BRENDAN COWHEY - VP1174336