OIL ANALYSIS REPORT

MIDDLETON 4352 VOLVO PENTA A 1095589 - PORT DIESEL ENGINE

Sample No: VPA060524

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA060524 Sample Number 23 Feb 2024 Sample Date Machine Hours 785 **Oil Hours** 15 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** F: 13.4 Visc @ 100°C cSt Base Number (BN) mg KOH/g 9.8 Oxidation (PA) % 54 CONTAMINATION % Water NEG % Soot % 0.1 Nitration (PA) % 40 % Sulfation (PA) 51 Glycol % NEG Fuel % <1.0 Silicon 3 ppm Sodium 5 ppm Potassium 4 ppm WEAR METALS Iron 7 ppm 1 Copper ppm Lead ppm 4 Tin 0 ppm Aluminum 10 ppm Chromium 1 ppm Molybdenum 51 ppm Nickel ■ <1 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1317 ppm Magnesium 858 ppm Zinc ppm 1284 1095 Phosphorus ppm Barium 0 🔲 ppm Boron ppm 38

 Depot:
 VP426065

 Unique No:
 10898864

 Signed:
 Sean Felton

 Report Date:
 28 Feb 2024

Jas Marine Service Inc 3131 SW 2Nd Ave.

FORT LAUDERDALE, FL US 33315 Contact: JASON TOLEDO jason@jasmarine.com T: (954)462-1112

Diagnosis

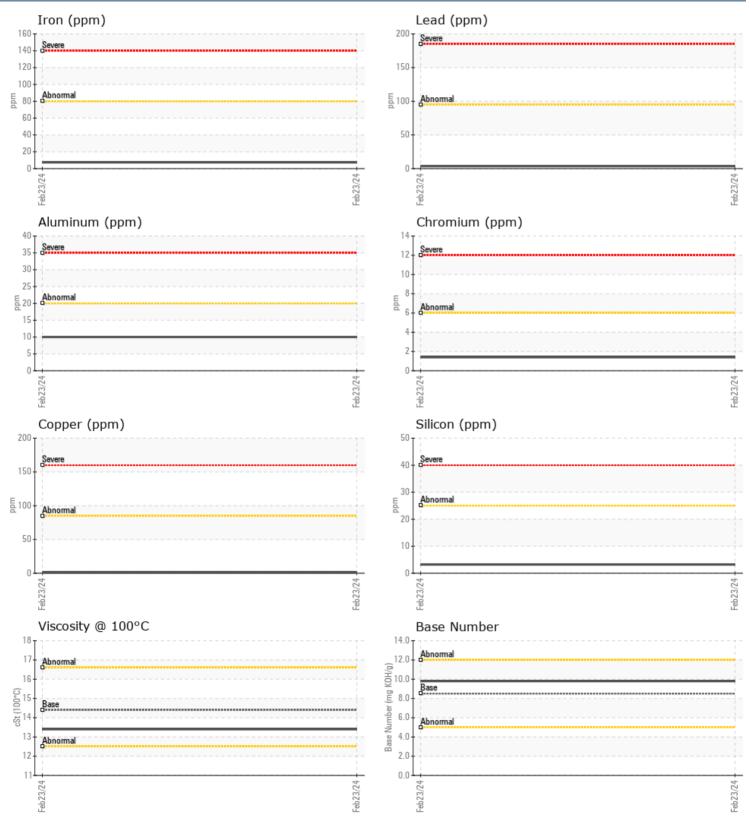
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



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GRAPHS



Report Id: VP426065 [WUSCAR] 06100634 (Generated: 02/28/2024 18:21:46) Rev: 1

Contact/Location: JASON TOLEDO - VP426065