OIL ANALYSIS REPORT

NADINE URCIUOLI VOLVO PENTA 7011361785 - PORT DIESEL ENGINE

VPA041790 Sample No:

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA041790 Sample Number Sample Date 22 Sep 2022 Machine Hours 631 **Oil Hours** 631 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** F: x: 13.1 Visc @ 100°C cSt Base Number (BN) mg KOH/g 11.2 Oxidation (PA) % 61 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 50 % Sulfation (PA) 56 Glycol % NEG Fuel % <1.0 Silicon 5 ppm Sodium 1 ppm Potassium 1 ppm WEAR METALS Iron 3 ppm 6 Copper ppm Lead ppm 1 🗌 Tin ■ <1 ppm Aluminum 0 ppm Chromium 0 ppm 61 Molybdenum ppm Nickel ■ <1 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese **||** <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1030 ppm Magnesium 970 ppm Zinc ppm 1230 Phosphorus ppm 1048 Barium 0 🔲 ppm Boron ppm 0 Depot: Unique No:

Contact/Location: NADINE URCIUOLI - VP152741

VP152741

10154600

Doug Bogart

02 Jan 2024



Helmuts Marine Service 619 Canal Street SAN RAFAEL. CA US 94901-3545 Contact: NADINE URCIUOLI SERVICE@HEI MUTSMARINE COM T: x:

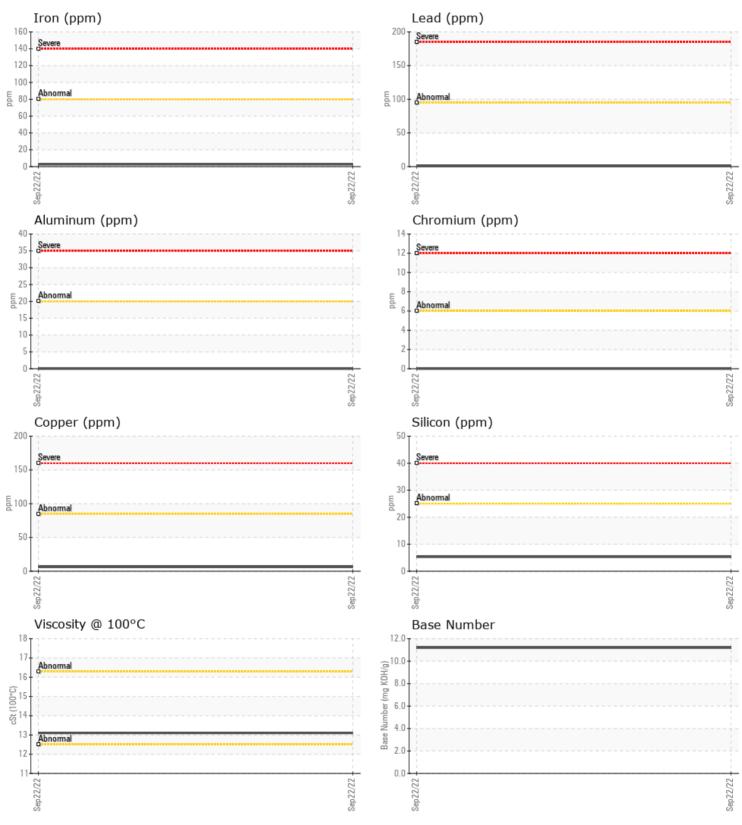
Diagnosis

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.

OIL ANALYSIS REPORT



GRAPHS



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