OIL ANALYSIS REPORT



VOLVO PENTA 10132223778 - 4 MAIN ENGINE

Sample No: VPA057200

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA057200 Sample Number Sample Date 06 Apr 2024 Machine Hours 438 **Oil Hours** 438 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C 12.3 cSt Base Number (BN) mg KOH/g 8.4 Oxidation (PA) % 78 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 58 % Sulfation (PA) 58 Glycol % NEG Fuel % <1.0 Silicon 33 ppm Sodium 3 ppm Potassium 8 🔲 ppm WEAR METALS Iron 12 ppm 7 Copper ppm Lead ppm **||** < 1 Tin ■ <1 ppm Aluminum ppm 3 Chromium <1 ppm Molybdenum ppm 51 Nickel 0 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese 2 ppm Vanadium ■ <1 ppm **ADDITIVES** Calcium 1757 ppm 339 Magnesium ppm Zinc ppm 1030 895 Phosphorus ppm Barium 0 🔲 ppm Boron ppm 50

WINDSERVE MARINE

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Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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.

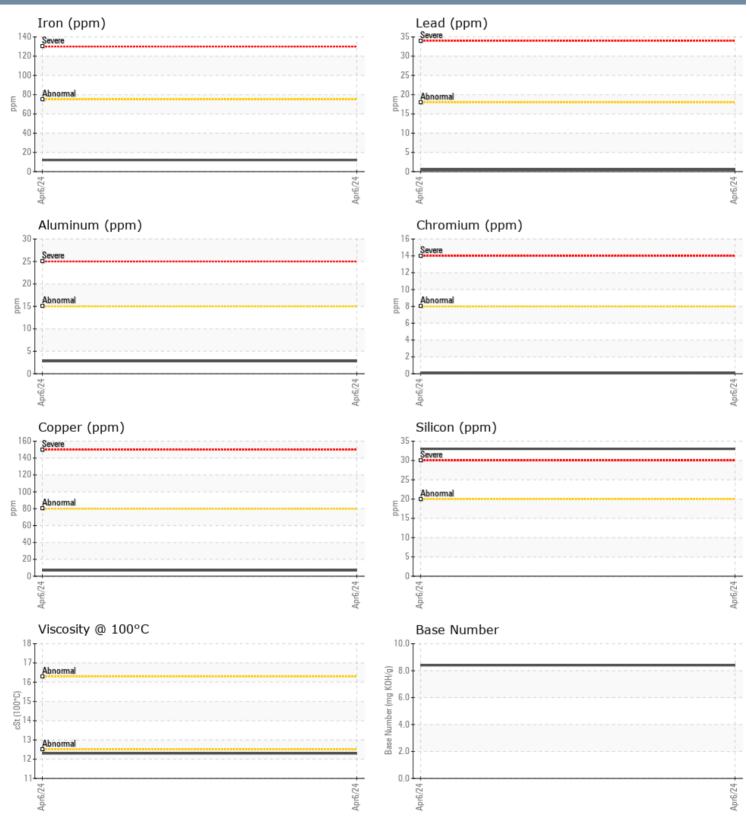
Depot:VPSENNORUnique No:10981637Signed:Jonathan HesterReport Date:19 Apr 2024

Contact/Location: Ryan Linn - VPSENNOR

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GRAPHS



Report Id: VPSENNOR [WUSCAR] 06151559 (Generated: 04/19/2024 18:35:49) Rev: 1

Contact/Location: Ryan Linn - VPSENNOR