CONSTRUCTION EQUIPMENT 41487 VOLVO A60H 350231 - DIESEL ENGINE



Sample No: VCP449925

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	41487

SAMPLE INFORMATION VCP449925 Sample Number VCP415528 Sample Date 12 Apr 2024 20 Mar 2024 Machine Hours 613 612 Oil Hours 0 1 Not Changd Oil Changed Not Changd Sample Status ABNORMAL SEVERE **OIL CONDITION** Visc @ 100°C cSt **10.3** ▲ 5.2 Base Number (BN) mg KOH/g 10.3 7.3 Oxidation (PA) % 71 54 CONTAMINATION % NEG NEG Water Soot % % 0.1 0.1 Nitration (PA) % 42 52 % 57 48 Sulfation (PA) Glycol % NEG NEG Fuel % 39.6 9.1 Silicon ppm 8 9 Sodium ppm 2 1 Potassium ppm ■ <1 0 WEAR METALS 4 Iron ppm $\square 7$ ■ <1 2 Copper ppm Lead 0 < 1 ppm 0 Tin ppm <1 ppm Aluminum ■ <1 1 0 <1 Chromium ppm 24 Molybdenum ppm 32 Nickel 2 8 ppm Titanium 0 0 ppm 0 Silver 0 ppm Manganese ppm < 1 **||** < 1 Vanadium 0 <1 ppm **ADDITIVES** Calcium 1507 1045 ppm 438 297 Magnesium ppm Zinc 989 🔲 632 ppm Phosphorus ppm 803 555 Barium 0 🔲 0 ppm Depot:

35

LANDMARK CONSTRUCTION CO. INC./MEM

3255 INDUSTRY DRIVE NORTH CHARLESTON, SC US 29418 Contact: GENE RICHARDSON grichardson@landmark-sc.com T: (843)767-9741 F: (843)767-9909

Diagnosis

We advise that you check the fuel injection system. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot:LANNORUnique No:10980226Signed:Jonathan HesterReport Date:22 Apr 2024

ppm

Boron

60

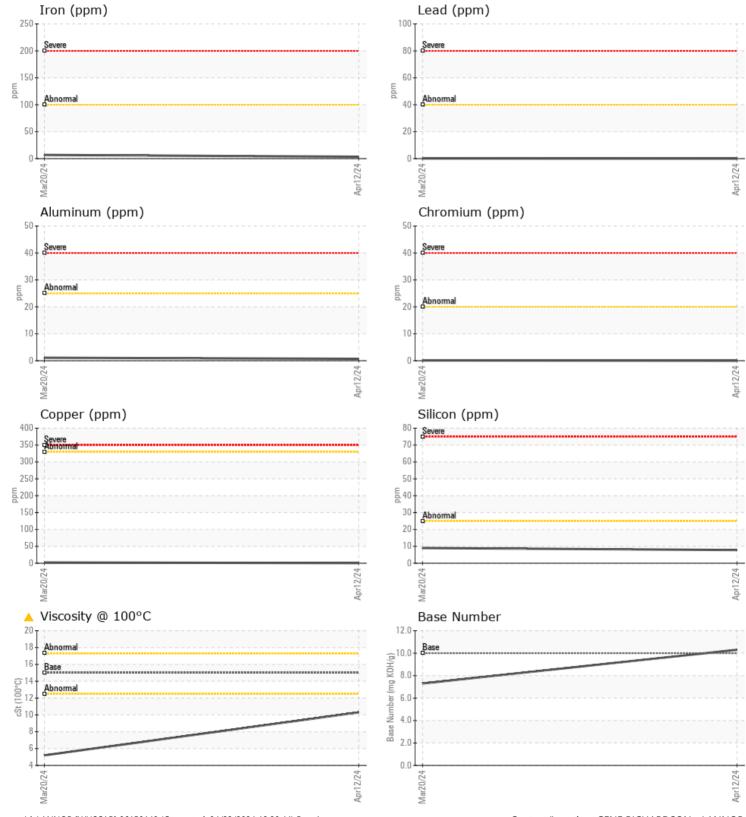
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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