



CONSTRUCTION EQUIPMENT

12472 SIGNAL MTN VOLVO L220H 423659 - DIESEL ENGINE



Sample No: VCP384953
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 12472 SIGNAL MTN



SAMPLE INFORMATION

Sample Number	VCP384953	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	3678	---	---	---
Oil Hours	3678	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 7829 LEE HWY
 CHATTANOOGA, TN
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	84	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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.

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 43	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1800	---	---	---
Magnesium	ppm	█ 553	---	---	---
Zinc	ppm	█ 1164	---	---	---
Phosphorus	ppm	█ 968	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 37	---	---	---

Depot: VOLVO0117
Unique No: 10619294
Signed: Wes Davis
Report Date: 25 Aug 2023



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GRAPHS

