



CONSTRUCTION EQUIPMENT

659478 VOLVO A40G 315157 - DIESEL ENGINE



Sample No: VCP438981
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 659478



SAMPLE INFORMATION

Sample Number	VCP438981	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	2059	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 5.3	---	---	---
Oxidation (PA)	%	44	---	---	---

T: (407)215-0410
 F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.5	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 21	---	---	---
Nickel	ppm	█ 9	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2084	---	---	---
Magnesium	ppm	█ 141	---	---	---
Zinc	ppm	█ 1121	---	---	---
Phosphorus	ppm	█ 884	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 16	---	---	---

Depot: JONLON
Unique No: 10835346
Signed: Doug Bogart
Report Date: 24 Jan 2024



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GRAPHS

