



CONSTRUCTION EQUIPMENT

SW-25685 VOLVO A45G 352883 - DIESEL ENGINE



Sample No: VCP443481
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-25685



SAMPLE INFORMATION

Sample Number	VCP443481	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	2067	---	---	---
Oil Hours	2067	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	57	---	---	---

Diagnosis

The oil 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.4	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1007	---	---	---
Magnesium	ppm	█ 890	---	---	---
Zinc	ppm	█ 1197	---	---	---
Phosphorus	ppm	█ 1014	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 5	---	---	---

Depot: VOLVO8770
Unique No: 10714102
Signed: Don Baldrige
Report Date: 31 Oct 2023



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GRAPHS

