



CONSTRUCTION EQUIPMENT

X13689 VOLVO EW60E 315967 - DIESEL ENGINE



Sample No: VCP407355
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X13689



SAMPLE INFORMATION

Sample Number	VCP407355	---	---	---
Sample Date	28 Nov 2023	---	---	---
Machine Hours	468	---	---	---
Oil Hours	486	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	48	---	---	---

Diagnosis

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 suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 142	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2243	---	---	---
Magnesium	ppm	█ 201	---	---	---
Zinc	ppm	█ 1214	---	---	---
Phosphorus	ppm	█ 974	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 16	---	---	---

Depot: VOLVO6241
Unique No: 10767945
Signed: Wes Davis
Report Date: 05 Dec 2023



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GRAPHS

