



CONSTRUCTION EQUIPMENT

VOLVO A45G 32890 - DIESEL ENGINE



Sample No: VCP424270
Oil Type: DIESEL ENGINE OIL SAE 40
Job No:



SAMPLE INFORMATION

Sample Number	VCP424270	---	---	---
Sample Date	13 Mar 2024	---	---	---
Machine Hours	2359	---	---	---
Oil Hours	503	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.3	---	---	---
Oxidation (PA)	%	51	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Valve wear is indicated. 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)	%	57	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 55	---	---	---
Nickel	ppm	▲ 10	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1181	---	---	---
Magnesium	ppm	█ 817	---	---	---
Zinc	ppm	█ 1175	---	---	---
Phosphorus	ppm	█ 1000	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: GLOPLE
Unique No: 11008811
Signed: Jonathan Hester
Report Date: 06 May 2024



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GRAPHS

