



CONSTRUCTION EQUIPMENT

SW-35693-2 RIGID BLD VOLVO A45G 352709 - DIESEL ENGINE



Sample No: VCP454030
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: SW-35693-2 RIGID BLD



SAMPLE INFORMATION

Sample Number	VCP454030	VCP441016	---	---
Sample Date	04 Jun 2024	16 Nov 2023	---	---
Machine Hours	5343	5110	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 7.9	---	---
Oxidation (PA)	%	65	57	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 All component wear rates are normal. 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	NEG	---	---
Soot %	%	█ 0.2	█ 0.3	---	---
Nitration (PA)	%	55	65	---	---
Sulfation (PA)	%	56	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 3	█ 2	---	---
Potassium	ppm	█ 1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 4	█ 3	---	---
Copper	ppm	█ 28	█ 3	---	---
Lead	ppm	█ 1	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 48	█ 7	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 9	█ 69	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 1375	█ 1638	---	---
Magnesium	ppm	█ 796	█ 437	---	---
Zinc	ppm	█ 1228	█ 1216	---	---
Phosphorus	ppm	█ 1062	█ 929	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 31	█ 123	---	---

Depot: VOLVO8770
Unique No: 11071691
Signed: Wes Davis
Report Date: 11 Jun 2024



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GRAPHS

