



CONSTRUCTION EQUIPMENT

18581 VOLVO A25G 752566 - DIESEL ENGINE



Sample No: VCP433090
Oil Type: SHELL ROTELLA T 15W40
Job No: 18581



SAMPLE INFORMATION

Sample Number	VCP433090	---	---	---
Sample Date	16 May 2024	---	---	---
Machine Hours	1544	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.2	---	---	---
Base Number (BN)	mg KOH/g	█ 10.2	---	---	---
Oxidation (PA)	%	80	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.3	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 56	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2280	---	---	---
Magnesium	ppm	█ 651	---	---	---
Zinc	ppm	█ 1440	---	---	---
Phosphorus	ppm	█ 1272	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 90	---	---	---

Depot: VOLV08771
Unique No: 11035298
Signed: Don Baldrige
Report Date: 24 May 2024



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GRAPHS

