



CONSTRUCTION EQUIPMENT

SPM581543 VOLVO L35G 3424264 - DIESEL ENGINE



Sample No: VCP398764
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM581543



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SAMPLE INFORMATION

Sample Number	VCP398764	VCP361069	---	---
Sample Date	04 Aug 2023	26 Apr 2022	---	---
Machine Hours	1373	704	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	13.7	▲ 11.9	---	---
Base Number (BN)	mg KOH/g	5.7	■ 8.5	---	---
Oxidation (PA)	%	87	116	---	---



CONTAMINATION

Soot %	%	0.1	■ 0.1	---	---
Nitration (PA)	%	102	117	---	---
Sulfation (PA)	%	61	70	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.2	---	---
Silicon	ppm	6	■ 21	---	---
Sodium	ppm	3	■ 5	---	---
Potassium	ppm	0	■ 2	---	---



WEAR METALS

Iron	ppm	10	■ 19	---	---
Copper	ppm	5	▲ 50	---	---
Lead	ppm	0	■ 1	---	---
Tin	ppm	<1	■ <1	---	---
Aluminum	ppm	<1	■ 3	---	---
Chromium	ppm	<1	■ 1	---	---
Molybdenum	ppm	62	■ 42	---	---
Nickel	ppm	0	■ 0	---	---
Titanium	ppm	<1	■ <1	---	---
Silver	ppm	0	2	---	---
Manganese	ppm	<1	■ 3	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1170	■ 1922	---	---
Magnesium	ppm	975	■ 503	---	---
Zinc	ppm	1233	■ 1094	---	---
Phosphorus	ppm	962	■ 914	---	---
Barium	ppm	0	■ <1	---	---
Boron	ppm	3	■ 45	---	---

Diagnosis

Resample at the next service interval to monitor. 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.

Depot: VOLVO8885
Unique No: 10615929
Signed: Wes Davis
Report Date: 22 Aug 2023



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GRAPHS

