



CONSTRUCTION EQUIPMENT

SPM633629 WM VOLVO L30G 3224749 - DIESEL ENGINE



Sample No: VCP429790
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM633629 WM



SAMPLE INFORMATION

Sample Number	VCP429790	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	225	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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5000 INDUSTRIAL HWY
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F:



OIL CONDITION

Visc @ 100°C	cSt	▲ 10.2	---	---	---
Base Number (BN)	mg KOH/g	■ 9.6	---	---	---
Oxidation (PA)	%	84	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 18	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 37	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1768	---	---	---
Magnesium	ppm	■ 405	---	---	---
Zinc	ppm	■ 980	---	---	---
Phosphorus	ppm	■ 827	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 46	---	---	---

Depot: VOLVO8885
Unique No: 10766819
Signed: Jonathan Hester
Report Date: 06 Dec 2023



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GRAPHS

