



CONSTRUCTION EQUIPMENT

SPM633258 CADILLAC A VOLVO L25H 1420331 - DIESEL ENGINE



Sample No: VCP409073
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM633258 CADILLAC A



ALTA CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP409073	VCP397312	---	---
Sample Date	17 Nov 2023	07 Nov 2022	---	---
Machine Hours	1509	542	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	▲ 11.4	---	---
Base Number (BN)	mg KOH/g	█ 9.1	█ 10.7	---	---
Oxidation (PA)	%	89	93	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	78	83	---	---
Sulfation (PA)	%	62	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.4	---	---
Silicon	ppm	█ 5	█ 12	---	---
Sodium	ppm	█ 3	█ 3	---	---
Potassium	ppm	█ <1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 4	█ 16	---	---
Copper	ppm	█ 4	█ 11	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ 4	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 42	█ 42	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ 3	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1501	█ 1881	---	---
Magnesium	ppm	█ 586	█ 460	---	---
Zinc	ppm	█ 1129	█ 1110	---	---
Phosphorus	ppm	█ 933	█ 925	---	---
Barium	ppm	█ 0	█ 5	---	---
Boron	ppm	█ 34	█ 41	---	---

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: VOLVO5023
Unique No: 10764794
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

