



CONSTRUCTION EQUIPMENT

WO7013147 VOLVO L90H 622795 - DIESEL ENGINE



Sample No: VCP409491
Oil Type: MOBIL 15W40
Job No: WO7013147



McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
F: (804)266-1611



SAMPLE INFORMATION

Sample Number	VCP409491	---	---	---
Sample Date	01 Aug 2023	---	---	---
Machine Hours	995	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	75	---	---	---



CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 42	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1716	---	---	---
Magnesium	ppm	█ 679	---	---	---
Zinc	ppm	█ 1260	---	---	---
Phosphorus	ppm	█ 1030	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 34	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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: VOLVO8882
Unique No: 10603839
Signed: Wes Davis
Report Date: 15 Aug 2023



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GRAPHS

