



CONSTRUCTION EQUIPMENT

W07013331 VOLVO A30G 752663 - DIESEL ENGINE



Sample No: VCP407978
Oil Type: MOBIL 15W40
Job No: W07013331



SAMPLE INFORMATION

Sample Number	VCP407978	---	---	---
Sample Date	13 Nov 2023	---	---	---
Machine Hours	541	---	---	---
Oil Hours	541	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFF
KRATLIFF@MCCLUNG-LOGAN.COM
T:
F: (804)266-1611



OIL CONDITION

Visc @ 100°C	cSt	▲ 10.5	---	---	---
Base Number (BN)	mg KOH/g	■ 6.2	---	---	---
Oxidation (PA)	%	55	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 %	%	■ 0.2	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 57	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	■ 21	---	---	---
Copper	ppm	■ 273	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 79	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 2	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2054	---	---	---
Magnesium	ppm	■ 14	---	---	---
Zinc	ppm	■ 1165	---	---	---
Phosphorus	ppm	■ 1082	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 56	---	---	---

Depot: VOLVO8882
Unique No: 10756826
Signed: Sean Felton
Report Date: 29 Nov 2023



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GRAPHS

