



CONSTRUCTION EQUIPMENT

HOLCIM 13727 VOLVO A45G 353639 - DIESEL ENGINE



Sample No: VCP410499
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 13727



SAMPLE INFORMATION

Sample Number	VCP410499	---	---	---
Sample Date	08 Nov 2023	---	---	---
Machine Hours	533	---	---	---
Oil Hours	533	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KATHRYN MULCAHEY
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T:
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.0	---	---	---
Base Number (BN)	mg KOH/g	■ 6.2	---	---	---
Oxidation (PA)	%	57	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. 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 %	%	■ 0.3	---	---	---
Nitration (PA)	%	77	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 25	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 22	---	---	---
Copper	ppm	■ 336	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 79	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 2073	---	---	---
Magnesium	ppm	■ 41	---	---	---
Zinc	ppm	■ 1131	---	---	---
Phosphorus	ppm	■ 922	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 46	---	---	---

Depot: VOLVO8882
Unique No: 10742630
Signed: Sean Felton
Report Date: 20 Nov 2023



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GRAPHS

