



CONSTRUCTION EQUIPMENT

9232 MARTIN MARIETTA VOLVO A45G 352219 - DIESEL ENGINE



Sample No: VCP408912
Oil Type: CHEVRON 15W40
Job No: 9232 MARTIN MARIETTA



SAMPLE INFORMATION

Sample Number	VCP408912	---	---	---
Sample Date	10 Jul 2023	---	---	---
Machine Hours	6027	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.1	---	---	---
Base Number (BN)	mg KOH/g	■ 8.3	---	---	---
Oxidation (PA)	%	62	---	---	---

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. All component wear rates are normal. Fuel content negligible. No other contaminants were detected 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

Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.9	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 58	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1032	---	---	---
Magnesium	ppm	■ 1104	---	---	---
Zinc	ppm	■ 1248	---	---	---
Phosphorus	ppm	■ 1002	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 82	---	---	---

Depot: VOLV00150
Unique No: 10572998
Signed: Sean Felton
Report Date: 27 Jul 2023



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GRAPHS

