



CONSTRUCTION EQUIPMENT

MARTIN MARIETTA VOLVO A45G 342066 - DIESEL ENGINE



Sample No: VCP423977
Oil Type: CHEVRON 15W40
Job No: MARTIN MARIETTA



SAMPLE INFORMATION

Sample Number	VCP423977	---	---	---
Sample Date	28 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	█ 63	---	---	---

Diagnosis

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. 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.



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	█ 57	---	---	---
Sulfation (PA)	%	█ 61	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ 0.5	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 119	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 1513	---	---	---
Magnesium	ppm	█ 658	---	---	---
Zinc	ppm	█ 853	---	---	---
Phosphorus	ppm	█ 707	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 284	---	---	---

Depot: VOLVO0088
Unique No: 10669350
Signed: Wes Davis
Report Date: 29 Sep 2023



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GRAPHS

