



CONSTRUCTION EQUIPMENT

SPM619466 MBP VOLVO MC60B 70091 - DIESEL ENGINE



Sample No: VCP425153
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM619466 MBP



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
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SAMPLE INFORMATION

Sample Number	VCP425153	---	---	---
Sample Date	12 Oct 2023	---	---	---
Machine Hours	150	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	84	---	---	---



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 3.8	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1509	---	---	---
Magnesium	ppm	█ 507	---	---	---
Zinc	ppm	█ 905	---	---	---
Phosphorus	ppm	█ 753	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 76	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected 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: VOLVO8885
Unique No: 10712807
Signed: Wes Davis
Report Date: 30 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

