



CONSTRUCTION EQUIPMENT

SPM716537 MCIRON VOLVO A45GFS 353797 - DIESEL ENGINE



Sample No: VCP451373
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM716537 MCIRON



SAMPLE INFORMATION

Sample Number	VCP451373	---	---	---
Sample Date	17 May 2024	---	---	---
Machine Hours	521	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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5000 INDUSTRIAL HWY
GARY, IN
US 46406
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T: (248)356-5200
F:



OIL CONDITION

Visc @ 100°C	cSt	● 10.8	---	---	---
Base Number (BN)	mg KOH/g	■ 6.0	---	---	---
Oxidation (PA)	%	■ 63	---	---	---

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. 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

Water	%	■ NEG	---	---	---
Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	■ 88	---	---	---
Sulfation (PA)	%	■ 56	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	■ 23	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 32	---	---	---
Copper	ppm	■ 333	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 79	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 2214	---	---	---
Magnesium	ppm	■ 83	---	---	---
Zinc	ppm	■ 1230	---	---	---
Phosphorus	ppm	■ 987	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 29	---	---	---

Depot: VOLVO8885
Unique No: 11089398
Signed: Sean Felton
Report Date: 25 Jun 2024



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GRAPHS

