



CONSTRUCTION EQUIPMENT

JMH VOLVO A40G 353130 - DIESEL ENGINE



Sample No: VCP435573

Oil Type: NOT GIVEN

Job No: JMH



SAMPLE INFORMATION

Sample Number	VCP435573	---	---	---
Sample Date	14 Dec 2023	---	---	---
Machine Hours	2194	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	11.9	---	---	---
Base Number (BN)	mg KOH/g	6.3	---	---	---
Oxidation (PA)	%	58	---	---	---

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Sodium and/or potassium levels are high. Fuel content negligible. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.4	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.1	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	392	---	---	---
Potassium	ppm	106	---	---	---



WEAR METALS

Iron	ppm	13	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	97	---	---	---
Nickel	ppm	4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1333	---	---	---
Magnesium	ppm	400	---	---	---
Zinc	ppm	1228	---	---	---
Phosphorus	ppm	966	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	178	---	---	---

Depot: VOLVO0096
Unique No: 10792842
Signed: Jonathan Hester
Report Date: 26 Dec 2023



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GRAPHS

