



CONSTRUCTION EQUIPMENT

VOLVO A60H 350150 - DIESEL ENGINE



Sample No: VCP392561

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP392561	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	3000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.7	---	---	---
Oxidation (PA)	%	63	---	---	---

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. 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.



CONTAMINATION

Soot %	%	█ 0.9	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	▲ 257	---	---	---
Potassium	ppm	▲ 20	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 85	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1465	---	---	---
Magnesium	ppm	█ 643	---	---	---
Zinc	ppm	█ 805	---	---	---
Phosphorus	ppm	678	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 145	---	---	---

Depot: ASCFAR
Unique No: 10586268
Signed: Jonathan Hester
Report Date: 07 Aug 2023



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GRAPHS

