



CONSTRUCTION EQUIPMENT

X59625 VOLVO A25G 752899 - DIESEL ENGINE



Sample No: VCP437437
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: X59625



SAMPLE INFORMATION

Sample Number	VCP437437	VCP426496	VCP413136	---
Sample Date	21 May 2024	09 Jan 2024	06 Oct 2023	---
Machine Hours	1349	847	530	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.2	10.8	---
Base Number (BN)	mg KOH/g	9.3	9.5	6.1	---
Oxidation (PA)	%	77	80	61	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.3	0.2	0.2	---
Nitration (PA)	%	64	59	72	---
Sulfation (PA)	%	61	63	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.4	---
Silicon	ppm	6	8	36	---
Sodium	ppm	1	<1	4	---
Potassium	ppm	3	<1	5	---



WEAR METALS

Iron	ppm	10	5	22	---
Copper	ppm	▲ 30	▲ 121	▲ 533	---
Lead	ppm	<1	<1	5	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	42	42	78	---
Nickel	ppm	<1	2	<1	---
Titanium	ppm	<1	<1	1	---
Silver	ppm	<1	1	2	---
Manganese	ppm	<1	2	4	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	1736	1695	2284	---
Magnesium	ppm	439	457	41	---
Zinc	ppm	1139	1169	1064	---
Phosphorus	ppm	911	937	1000	---
Barium	ppm	0	0	12	---
Boron	ppm	65	27	45	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level has decreased, but is still abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. 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 acceptable for the time in service.

Depot: SCOSAI
Unique No: 11045506
Signed: Sean Felton
Report Date: 28 May 2024



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VOLVO GRAPHS

