



CONSTRUCTION EQUIPMENT

X59084 VOLVO A25G 752899 - DIESEL ENGINE



Sample No: VCP426496
Oil Type: {unknown}
Job No: X59084



SAMPLE INFORMATION

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

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OIL CONDITION

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

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. 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.



CONTAMINATION

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



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 1695	█ 2284	---	---
Magnesium	ppm	█ 457	█ 41	---	---
Zinc	ppm	█ 1169	█ 1064	---	---
Phosphorus	ppm	█ 937	█ 1000	---	---
Barium	ppm	█ 0	█ 12	---	---
Boron	ppm	█ 27	█ 45	---	---

Depot: SCOSAI
Unique No: 10830443
Signed: Don Baldrige
Report Date: 15 Jan 2024



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GRAPHS

