



CONSTRUCTION EQUIPMENT

X59119 VOLVO A25G 752694 - DIESEL ENGINE



Sample No: VCP441136

Oil Type: {unknown}

Job No: X59119



SAMPLE INFORMATION

Sample Number	VCP441136	VCP413451	---	---
Sample Date	17 Jan 2024	07 Oct 2023	---	---
Machine Hours	1805	1230	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	█ 12.5	---	---
Base Number (BN)	mg KOH/g	█ 8.4	█ 7.7	---	---
Oxidation (PA)	%	82	79	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.4	---	---
Nitration (PA)	%	66	68	---	---
Sulfation (PA)	%	64	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 8	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 2	█ 2	---	---



WEAR METALS

Iron	ppm	█ 16	█ 8	---	---
Copper	ppm	▲ 59	▲ 209	---	---
Lead	ppm	█ 1	█ <1	---	---
Tin	ppm	█ 2	█ 1	---	---
Aluminum	ppm	█ 2	█ 4	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 41	█ 44	---	---
Nickel	ppm	█ 6	█ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1644	█ 1682	---	---
Magnesium	ppm	█ 468	█ 400	---	---
Zinc	ppm	█ 1192	█ 1158	---	---
Phosphorus	ppm	█ 907	█ 945	---	---
Barium	ppm	█ <1	█ 2	---	---
Boron	ppm	█ 45	█ 31	---	---

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 suitable for further service.

Depot: SCOSAI
Unique No: 10844822
Signed: Sean Felton
Report Date: 25 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

