



CONSTRUCTION EQUIPMENT

X59752 VOLVO A25G 752694 - DIESEL ENGINE



Sample No: VCP441811
Oil Type: {unknown}
Job No: X59752



SAMPLE INFORMATION

Sample Number	VCP441811	VCP441136	VCP413451	---
Sample Date	14 Jun 2024	17 Jan 2024	07 Oct 2023	---
Machine Hours	2608	1805	1230	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	N/A	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

SCOTT EQUIPMENT COMPANY LLC - Saint Rose
 PO BOX 997
 SAINT ROSE, LA
 US 70087
 Contact: DENISE CORVERS
 dcorvers@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970



OIL CONDITION

Visc @ 100°C	cSt	12.6	12.7	12.5	---
Base Number (BN)	mg KOH/g	7.8	8.4	7.7	---
Oxidation (PA)	%	84	82	79	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.5	0.3	0.4	---
Nitration (PA)	%	75	66	68	---
Sulfation (PA)	%	64	64	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	5	8	---
Sodium	ppm	2	0	2	---
Potassium	ppm	3	2	2	---



WEAR METALS

Iron	ppm	21	16	8	---
Copper	ppm	▲ 41	▲ 59	▲ 209	---
Lead	ppm	<1	1	<1	---
Tin	ppm	1	2	1	---
Aluminum	ppm	2	2	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	38	41	44	---
Nickel	ppm	4	6	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	1	2	1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	1743	1644	1682	---
Magnesium	ppm	436	468	400	---
Zinc	ppm	1117	1192	1158	---
Phosphorus	ppm	924	907	945	---
Barium	ppm	<1	<1	2	---
Boron	ppm	28	45	31	---

Diagnosis

The oil change at the time of sampling has been noted. 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 suitable for further service.

Depot: SCOSAI
Unique No: 11085938
Signed: Don Baldrige
Report Date: 20 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

