



CONSTRUCTION EQUIPMENT

X13760 VOLVO A25G 752434 - DIESEL ENGINE



Sample No: VCP400321
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X13760



SAMPLE INFORMATION

Sample Number	VCP400321	VCE086230	VCE111102	---
Sample Date	19 Dec 2023	02 Feb 2023	25 Oct 2022	---
Machine Hours	2305	1007	639	---
Oil Hours	0	0	639	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

SCOTT EQUIPMENT COMPANY LLC - Broussard
 100 IDA ROAD
 BROUSSARD, LA
 US 70518
 Contact: ADAM FEIRMAN
 afeirman@scottcompanies.com
 T: (337)837-2907
 F: (337)837-5116



OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	▲ 12.3	▲ 10.6	---
Base Number (BN)	mg KOH/g	█ 5.4	█ 8.8	█ 6.6	---
Oxidation (PA)	%	99	70	70	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	█ 0.9	█ 0.4	█ 0.5	---
Nitration (PA)	%	102	72	90	---
Sulfation (PA)	%	71	56	64	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	█ 0.2	---
Silicon	ppm	█ 10	█ 13	█ 48	---
Sodium	ppm	█ 3	█ 2	█ <1	---
Potassium	ppm	█ 0	█ 2	█ 0	---



WEAR METALS

Iron	ppm	█ 33	█ 19	█ 33	---
Copper	ppm	▲ 37	▲ 155	▲ 299	---
Lead	ppm	█ <1	█ <1	█ 1	---
Tin	ppm	█ 1	█ 2	█ 4	---
Aluminum	ppm	█ 4	█ 2	█ 3	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ 36	█ 49	█ 82	---
Nickel	ppm	█ 4	█ 8	█ 2	---
Titanium	ppm	0	0	0	---
Silver	ppm	█ 0	█ 0	<1	---
Manganese	ppm	█ 2	█ 2	█ 5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	█ 1685	█ 1765	█ 2254	---
Magnesium	ppm	█ 415	█ 385	9	---
Zinc	ppm	█ 1007	█ 1115	█ 1145	---
Phosphorus	ppm	█ 712	█ 923	█ 957	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 8	█ 26	█ 19	---

Diagnosis

Oil and filter 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. 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: VOLVO6241
Unique No: 10805120
Signed: Don Baldrige
Report Date: 27 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

