



CONSTRUCTION EQUIPMENT

X13758 VOLVO A25G 752427 - DIESEL ENGINE



Sample No: VCP400361
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X13758



SAMPLE INFORMATION

Sample Number	VCP400361	VC412635	---	---
Sample Date	18 Dec 2023	09 Nov 2022	---	---
Machine Hours	2536	520	---	---
Oil Hours	0	520	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	▲ 10.9	---	---
Base Number (BN)	mg KOH/g	█ 7.0	█ 7.3	---	---
Oxidation (PA)	%	88	62	---	---

Diagnosis

Resample at the next service interval to monitor. All 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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.8	█ 0.3	---	---
Nitration (PA)	%	90	85	---	---
Sulfation (PA)	%	66	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.5	---	---
Silicon	ppm	█ 6	█ 26	---	---
Sodium	ppm	█ 3	█ 2	---	---
Potassium	ppm	█ 0	█ 4	---	---



WEAR METALS

Iron	ppm	█ 22	█ 23	---	---
Copper	ppm	█ 14	▲ 386	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	3	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 40	█ 73	---	---
Nickel	ppm	█ 7	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ 5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1633	█ 2138	---	---
Magnesium	ppm	█ 451	124	---	---
Zinc	ppm	█ 1052	█ 1167	---	---
Phosphorus	ppm	█ 777	█ 968	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 60	█ 24	---	---

Depot: VOLVO6241
Unique No: 10805119
Signed: Wes Davis
Report Date: 27 Dec 2023



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GRAPHS

