



CONSTRUCTION EQUIPMENT

VOLVO A25G 752582 - DIESEL ENGINE



Sample No: VCP446536
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP446536	VCP432658	---	---
Sample Date	14 Feb 2024	30 Aug 2023	---	---
Machine Hours	1659	981	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.5	▲ 11.2	---	---
Base Number (BN)	mg KOH/g	7.9	■ 5.4	---	---
Oxidation (PA)	%	78	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 %	%	0.5	■ 0.6	---	---
Nitration (PA)	%	73	79	---	---
Sulfation (PA)	%	62	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.4	---	---
Silicon	ppm	11	■ 59	---	---
Sodium	ppm	1	■ 4	---	---
Potassium	ppm	2	■ 1	---	---



WEAR METALS

Iron	ppm	15	■ 36	---	---
Copper	ppm	41	▲ 171	---	---
Lead	ppm	0	■ 2	---	---
Tin	ppm	<1	■ 3	---	---
Aluminum	ppm	2	■ 3	---	---
Chromium	ppm	<1	■ <1	---	---
Molybdenum	ppm	56	■ 92	---	---
Nickel	ppm	3	■ 6	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	■ <1	---	---
Manganese	ppm	1	■ 5	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1594	■ 2193	---	---
Magnesium	ppm	501	■ 129	---	---
Zinc	ppm	1179	■ 1147	---	---
Phosphorus	ppm	933	■ 968	---	---
Barium	ppm	10	■ 0	---	---
Boron	ppm	14	■ 18	---	---

Depot: VOLVO0090
Unique No: 10885589
Signed: Wes Davis
Report Date: 20 Feb 2024



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GRAPHS

