



CONSTRUCTION EQUIPMENT

W07013757-1 VOLVO EC250E 3 10207 - DIESEL ENGINE



Sample No: VCP413323
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: W07013757-1



SAMPLE INFORMATION

Sample Number	VCP413323	VCP408818	VCP386320	---
Sample Date	14 Nov 2023	11 May 2023	26 Oct 2022	---
Machine Hours	2527	2038	1656	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.3	12.9	13.41	---
Base Number (BN)	mg KOH/g	7.0	7.8	8.7	---
Oxidation (PA)	%	52	50	55	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	55	55	56	---
Sulfation (PA)	%	52	52	51	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	0.9	<1.0	<1.0	---
Silicon	ppm	7	6	6	---
Sodium	ppm	<1	2	0	---
Potassium	ppm	3	2	2	---



WEAR METALS

Iron	ppm	10	6	4	---
Copper	ppm	4	3	2	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	4	1	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	81	67	39	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1447	1825	1655	---
Magnesium	ppm	404	382	568	---
Zinc	ppm	1131	1226	1145	---
Phosphorus	ppm	939	1038	915	---
Barium	ppm	0	0	0	---
Boron	ppm	348	324	14	---

Depot: VOLVO8882
Unique No: 10751251
Signed: Wes Davis
Report Date: 22 Nov 2023



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GRAPHS

