



CONSTRUCTION EQUIPMENT

606160 FL CON & LAND VOLVO ECR235E 315257 - DIESEL ENGINE



Sample No: VCP421854
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 606160 FL CON & LAND



SAMPLE INFORMATION

Sample Number	VCP421854	VCP422059	---	---
Sample Date	06 Sep 2023	24 May 2023	---	---
Machine Hours	2117	1569	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.1	---	---
Base Number (BN)	mg KOH/g	9.5	8.7	---	---
Oxidation (PA)	%	82	55	---	---

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

Soot %	%	0.2	0.2	---	---
Nitration (PA)	%	72	75	---	---
Sulfation (PA)	%	60	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	11	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	0	3	---	---



WEAR METALS

Iron	ppm	34	102	---	---
Copper	ppm	2	9	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	<1	4	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	45	31	---	---
Nickel	ppm	<1	6	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	2022	2727	---	---
Magnesium	ppm	564	426	---	---
Zinc	ppm	1241	1211	---	---
Phosphorus	ppm	994	973	---	---
Barium	ppm	0	0	---	---
Boron	ppm	23	0	---	---

Depot: VOLVO0096
Unique No: 10645906
Signed: Wes Davis
Report Date: 15 Sep 2023



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GRAPHS

