



CONSTRUCTION EQUIPMENT

S50100530 RENDT VOLVO EC750EL 314141 - EC750EL - DIESEL ENGINE



Sample No: VCP427201
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: S50100530 RENDT



SAMPLE INFORMATION

Sample Number	VCP427201	VCP295342	VCP372838	---
Sample Date	03 Nov 2023	24 May 2023	27 Jan 2023	---
Machine Hours	2455	1446	937	---
Oil Hours	500	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

VCES- VOLVO CONSTRUCTION EQUIPMENT

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 LAKESIDE, CA
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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.2	12.6	---
Base Number (BN)	mg KOH/g	9.1	9.2	9.1	---
Oxidation (PA)	%	89	84	83	---

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 %	%	1.1	0.9	0.8	---
Nitration (PA)	%	73	75	73	---
Sulfation (PA)	%	69	66	65	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	7	10	---
Sodium	ppm	13	3	<1	---
Potassium	ppm	2	1	3	---



WEAR METALS

Iron	ppm	13	15	19	---
Copper	ppm	2	4	25	---
Lead	ppm	<1	2	<1	---
Tin	ppm	1	2	3	---
Aluminum	ppm	2	1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	41	42	50	---
Nickel	ppm	3	2	3	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1758	1730	1825	---
Magnesium	ppm	543	507	449	---
Zinc	ppm	1228	1163	1126	---
Phosphorus	ppm	965	925	894	---
Barium	ppm	0	0	0	---
Boron	ppm	24	25	27	---

Depot: VOLVO4488

Unique No: 10740651

Signed: Wes Davis

Report Date: 15 Nov 2023



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GRAPHS

