



CONSTRUCTION EQUIPMENT

WIRE TRACK(?) RECYCL VOLVO EC300 310153 - DIESEL ENGINE



Sample No: VCP447452
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: WIRE TRACK(?) RECYCL



SAMPLE INFORMATION

Sample Number	VCP447452	VCP429180	VCP376631	---
Sample Date	21 Mar 2024	04 Oct 2023	01 Aug 2022	---
Machine Hours	5877	5303	3343	---
Oil Hours	0	0	1500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.2	13.3	13.5	---
Base Number (BN)	mg KOH/g	9.1	5.0	8.6	---
Oxidation (PA)	%	81	102	56	---

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	0.2	0.1	---
Nitration (PA)	%	77	103	71	---
Sulfation (PA)	%	59	71	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	0.2	<1.0	<1.0	---
Silicon	ppm	7	9	4	---
Sodium	ppm	2	3	1	---
Potassium	ppm	0	2	3	---



WEAR METALS

Iron	ppm	10	24	11	---
Copper	ppm	1	3	2	---
Lead	ppm	<1	8	<1	---
Tin	ppm	1	3	<1	---
Aluminum	ppm	3	4	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	36	44	29	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2036	1977	1711	---
Magnesium	ppm	459	578	437	---
Zinc	ppm	1227	1350	1057	---
Phosphorus	ppm	1018	1007	872	---
Barium	ppm	0	0	0	---
Boron	ppm	28	11	59	---

Depot: VOLVO0093
Unique No: 11044003
Signed: Wes Davis
Report Date: 28 May 2024



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GRAPHS

