



CONSTRUCTION EQUIPMENT

375637 WEINTRAB RECY VOLVO EC300 310153 - DIESEL ENGINE



Sample No: VCP429180
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 375637 WEINTRAB RECY



SAMPLE INFORMATION

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

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OIL CONDITION

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



CONTAMINATION

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

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.



WEAR METALS

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



ADDITIVES

Calcium	ppm	1977	1711	---	---
Magnesium	ppm	578	437	---	---
Zinc	ppm	1350	1057	---	---
Phosphorus	ppm	1007	872	---	---
Barium	ppm	0	0	---	---
Boron	ppm	11	59	---	---

Depot: VOLVO0093
Unique No: 10708821
Signed: Don Baldrige
Report Date: 25 Oct 2023



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GRAPHS

