



CONSTRUCTION EQUIPMENT

SW-28850-2 FX CONSTR VOLVO EC300EL 314006 - DIESEL ENGINE



Sample No: VCP438073
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-28850-2 FX CONSTR



SAMPLE INFORMATION

Sample Number	VCP438073	VCP299587	---	---
Sample Date	22 Jan 2024	21 Sep 2021	---	---
Machine Hours	2483	893	---	---
Oil Hours	0	893	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.4	12.5	---	---
Base Number (BN)	mg KOH/g	9.2	---	---	---
Oxidation (PA)	%	55	57	---	---

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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.2	---	---
Nitration (PA)	%	48	56	---	---
Sulfation (PA)	%	49	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	3	16	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	2	4	---	---



WEAR METALS

Iron	ppm	4	24	---	---
Copper	ppm	<1	15	---	---
Lead	ppm	<1	3	---	---
Tin	ppm	<1	3	---	---
Aluminum	ppm	3	11	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	56	4	---	---
Nickel	ppm	0	7	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	1	---	---
Manganese	ppm	<1	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1005	2093	---	---
Magnesium	ppm	914	273	---	---
Zinc	ppm	1195	1173	---	---
Phosphorus	ppm	1030	1038	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	1	13	---	---

Depot: VOLVO8770
Unique No: 10849252
Signed: Don Baldrige
Report Date: 30 Jan 2024



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GRAPHS

