



CONSTRUCTION EQUIPMENT

53417 CASELLA WASTE VOLVO EC300E 316605 - DIESEL ENGINE



Sample No: VCP235412
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 53417 CASELLA WASTE



SAMPLE INFORMATION

Sample Number	VCP235412	VCP364600	VCP364602	---
Sample Date	19 Mar 2024	19 Jul 2023	17 May 2023	---
Machine Hours	2771	1878	1508	---
Oil Hours	0	500	500	---
Oil Changed	Not Changed	Changed	Changed	---
Sample Status	ATTENTION	NORMAL	NORMAL	---

TYLER EQUIPMENT CORPORATION MAIN
 PO BOX 544
 EAST LONGMEADOW, MA
 US 01028
 Contact: FRED SILLIKER
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OIL CONDITION

Visc @ 100°C	cSt	11.1	12.7	12.8	---
Base Number (BN)	mg KOH/g	8.4	10.2	9.8	---
Oxidation (PA)	%	66	82	87	---

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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	62	48	57	---
Sulfation (PA)	%	53	62	65	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	0.2	<1.0	<1.0	---
Silicon	ppm	7	6	7	---
Sodium	ppm	2	3	0	---
Potassium	ppm	3	<1	5	---



WEAR METALS

Iron	ppm	11	6	11	---
Copper	ppm	1	1	11	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	4	<1	1	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	71	42	43	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	2249	1807	1768	---
Magnesium	ppm	284	527	479	---
Zinc	ppm	1306	1127	1099	---
Phosphorus	ppm	1039	950	907	---
Barium	ppm	0	0	0	---
Boron	ppm	56	55	48	---

Depot: VOLVO0009
Unique No: 10970496
Signed: Jonathan Hester
Report Date: 16 Apr 2024



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GRAPHS

