



CONSTRUCTION EQUIPMENT

SVC049500 CASELLA VOLVO EC300E 316605 - DIESEL ENGINE



Sample No: VCP364600
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SVC049500 CASELLA



SAMPLE INFORMATION

Sample Number	VCP364600	VCP364602	---	---
Sample Date	19 Jul 2023	17 May 2023	---	---
Machine Hours	1878	1508	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

TYLER EQUIPMENT CORPORATION MAIN
 PO BOX 544
 EAST LONGMEADOW, MA
 US 01028
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OIL CONDITION

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

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



WEAR METALS

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



ADDITIVES

Calcium	ppm	1807	1768	---	---
Magnesium	ppm	527	479	---	---
Zinc	ppm	1127	1099	---	---
Phosphorus	ppm	950	907	---	---
Barium	ppm	0	0	---	---
Boron	ppm	55	48	---	---

Depot: VOLVO0009
Unique No: 10573991
Signed: Wes Davis
Report Date: 27 Jul 2023



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GRAPHS

