



CONSTRUCTION EQUIPMENT

VOLVO EC300EL 312525 - DIESEL ENGINE



Sample No: VCP382976
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP382976	VC527561	VC549440	---
Sample Date	08 May 2024	29 Mar 2023	20 Jul 2022	---
Machine Hours	1176	1009	935	---
Oil Hours	167	156	235	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

DUNN COUNTY HIGHWAY DEPARTMENT
 ROUTE 2 BOX 71A, 3303 US HWY 12 EAST
 MENOMONIE, WI
 US 54751
 Contact: DANNY NELSON
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 T: (715)232-2361
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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.0	15.0	---
Base Number (BN)	mg KOH/g	8.5	8.3	9.1	---
Oxidation (PA)	%	56	57	51	---

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

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	48	45	58	---
Sulfation (PA)	%	51	48	52	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	9	8	6	---
Sodium	ppm	0	1	1	---
Potassium	ppm	4	4	3	---



WEAR METALS

Iron	ppm	4	4	4	---
Copper	ppm	5	1	1	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	1	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	30	30	25	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	2	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1866	1661	2159	---
Magnesium	ppm	315	287	190	---
Zinc	ppm	1013	875	1077	---
Phosphorus	ppm	937	730	910	---
Barium	ppm	2	0	0	---
Boron	ppm	32	42	32	---

Depot: DUNMEN
Unique No: 11022909
Signed: Wes Davis
Report Date: 14 May 2024



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GRAPHS

