



CONSTRUCTION EQUIPMENT

SW1025902 ODDONETTO VOLVO A40G 340833 - DIESEL ENGINE



Sample No: VCP425241
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1025902 ODDONETTO



SAMPLE INFORMATION

Sample Number	VCP425241	VCP397899	VCP349401	---
Sample Date	30 Oct 2023	05 May 2023	15 Apr 2022	---
Machine Hours	6718	6045	5553	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.0	14.5	13.8	---
Base Number (BN)	mg KOH/g	9.1	8.4	6.4	---
Oxidation (PA)	%	69	61	75	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.2	0.2	0.3	---
Nitration (PA)	%	68	68	89	---
Sulfation (PA)	%	57	55	69	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	0.8	<1.0	<1.0	---
Silicon	ppm	5	4	6	---
Sodium	ppm	8	16	40	---
Potassium	ppm	<1	3	11	---



WEAR METALS

Iron	ppm	8	9	15	---
Copper	ppm	1	3	22	---
Lead	ppm	2	1	2	---
Tin	ppm	<1	<1	1	---
Aluminum	ppm	2	4	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	56	54	9	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	1	9	72	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1319	1284	1760	---
Magnesium	ppm	851	893	450	---
Zinc	ppm	1329	1313	1152	---
Phosphorus	ppm	1058	1035	1000	---
Barium	ppm	0	0	0	---
Boron	ppm	17	12	67	---

Depot: VOLVO6174
Unique No: 10727212
Signed: Wes Davis
Report Date: 08 Nov 2023



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GRAPHS

