



CONSTRUCTION EQUIPMENT

SW1022812 ODDONETTO VOLVO A40G 341658 - DIESEL ENGINE



Sample No: VCP416029
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1022812 ODDONETTO



SAMPLE INFORMATION

Sample Number	VCP416029	VCP372817	VCP310825	---
Sample Date	18 Aug 2023	12 Sep 2022	15 Jun 2021	---
Machine Hours	6950	6378	5726	---
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	12.6	12.5	13.5	---
Base Number (BN)	mg KOH/g	8.5	10.0	---	---
Oxidation (PA)	%	57	82	49	---

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 %	%	0.2	0.4	0.2	---
Nitration (PA)	%	66	74	68	---
Sulfation (PA)	%	50	66	54	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	10	4	---
Sodium	ppm	3	2	2	---
Potassium	ppm	4	1	1	---



WEAR METALS

Iron	ppm	8	14	13	---
Copper	ppm	1	3	16	---
Lead	ppm	2	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	5	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	57	45	12	---
Nickel	ppm	<1	2	2	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	1342	1808	2279	---
Magnesium	ppm	850	445	211	---
Zinc	ppm	1297	1181	1142	---
Phosphorus	ppm	1042	967	983	---
Barium	ppm	0	0	0	---
Boron	ppm	15	42	10	---

Depot: VOLVO6174
Unique No: 10622182
Signed: Wes Davis
Report Date: 29 Aug 2023



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GRAPHS

