



CONSTRUCTION EQUIPMENT

SW1025901 ODDONETTO VOLVO A40G 341653 - DIESEL ENGINE



Sample No: VCP441715
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1025901 ODDONETTO



SAMPLE INFORMATION

Sample Number	VCP441715	VCP379920	VCP319880	---
Sample Date	29 Oct 2023	10 Feb 2023	10 Sep 2021	---
Machine Hours	7451	6762	5889	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.7	▲ 12.3	---
Base Number (BN)	mg KOH/g	9.2	8.0	---	---
Oxidation (PA)	%	72	79	63	---

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	0.3	0.4	0.2	---
Nitration (PA)	%	66	79	72	---
Sulfation (PA)	%	58	61	56	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.5	---
Silicon	ppm	5	6	3	---
Sodium	ppm	5	4	<1	---
Potassium	ppm	1	3	0	---



WEAR METALS

Iron	ppm	8	15	9	---
Copper	ppm	<1	3	14	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	53	43	16	---
Nickel	ppm	<1	<1	1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1468	1711	1267	---
Magnesium	ppm	804	450	618	---
Zinc	ppm	1296	1070	806	---
Phosphorus	ppm	1041	905	706	---
Barium	ppm	0	0	0	---
Boron	ppm	27	40	54	---

Depot: VOLVO6174
Unique No: 10727213
Signed: Don Baldrige
Report Date: 07 Nov 2023



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GRAPHS

