



CONSTRUCTION EQUIPMENT

SW102937 ODDONETTO VOLVO L110H 632103 - DIESEL ENGINE



Sample No: VCP436940
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW102937 ODDONETTO



SAMPLE INFORMATION

Sample Number	VCP436940	VCP353746	VCP346390	---
Sample Date	19 Jan 2024	13 Mar 2023	05 May 2022	---
Machine Hours	1635	1141	641	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	11.4	12.7	---
Base Number (BN)	mg KOH/g	9.4	9.9	9.3	---
Oxidation (PA)	%	63	60	71	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.4	0.4	0.4	---
Nitration (PA)	%	60	61	60	---
Sulfation (PA)	%	56	57	60	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	1.0	<1.0	---
Silicon	ppm	8	11	13	---
Sodium	ppm	0	4	5	---
Potassium	ppm	3	2	8	---



WEAR METALS

Iron	ppm	23	37	31	---
Copper	ppm	16	37	11	---
Lead	ppm	1	2	3	---
Tin	ppm	2	2	2	---
Aluminum	ppm	10	17	31	---
Chromium	ppm	1	3	3	---
Molybdenum	ppm	49	38	37	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	2	3	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	1466	1977	1563	---
Magnesium	ppm	672	527	582	---
Zinc	ppm	1189	1269	1199	---
Phosphorus	ppm	936	1066	1012	---
Barium	ppm	0	5	0	---
Boron	ppm	22	43	47	---

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.

Depot: VOLVO6174
Unique No: 10850392
Signed: Don Baldrige
Report Date: 31 Jan 2024



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GRAPHS

