



CONSTRUCTION EQUIPMENT

SPM608316 WM VOLVO L150H 6556 - DIESEL ENGINE



Sample No: VCP427379
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM608316 WM



SAMPLE INFORMATION

Sample Number	VCP427379	VCP410797	VCP365864	---
Sample Date	04 Oct 2023	22 Mar 2023	07 Nov 2022	---
Machine Hours	7608	6793	6318	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.2	12.9	13.1	---
Base Number (BN)	mg KOH/g	8.9	8.7	10.0	---
Oxidation (PA)	%	57	56	61	---

CONTAMINATION

Soot %	%	0.4	0.4	0.4	---
Nitration (PA)	%	57	61	65	---
Sulfation (PA)	%	53	52	56	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	10	17	---
Sodium	ppm	3	<1	0	---
Potassium	ppm	2	0	2	---

WEAR METALS

Iron	ppm	7	9	6	---
Copper	ppm	2	7	2	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	4	2	3	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	55	57	58	---
Nickel	ppm	1	4	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	<1	0	<1	---

ADDITIVES

Calcium	ppm	952	1015	1016	---
Magnesium	ppm	896	889	873	---
Zinc	ppm	1159	1153	1168	---
Phosphorus	ppm	956	953	980	---
Barium	ppm	0	0	2	---
Boron	ppm	0	0	<1	---

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.

Depot: VOLVO8885
Unique No: 10712791
Signed: Wes Davis
Report Date: 27 Oct 2023



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GRAPHS

