



CONSTRUCTION EQUIPMENT

504039210 VOLVO L90H 625956 - DIESEL ENGINE



Sample No: VCP05767877
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 504039210



SAMPLE INFORMATION

Sample Number	VCP05767877	VCP375255	---	---
Sample Date	14 Feb 2023	12 Aug 2022	---	---
Machine Hours	0	534	---	---
Oil Hours	0	534	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.2	---	---
Base Number (BN)	mg KOH/g	10.7	11.8	---	---
Oxidation (PA)	%	83	86	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.1	---	---
Nitration (PA)	%	63	51	---	---
Sulfation (PA)	%	63	67	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	14	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	0	<1	---	---



WEAR METALS

Iron	ppm	43	52	---	---
Copper	ppm	2	9	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	2	3	---	---
Aluminum	ppm	6	24	---	---
Chromium	ppm	2	5	---	---
Molybdenum	ppm	45	39	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1712	1364	---	---
Magnesium	ppm	534	561	---	---
Zinc	ppm	1176	1017	---	---
Phosphorus	ppm	934	836	---	---
Barium	ppm	0	0	---	---
Boron	ppm	41	52	---	---

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: VOLVO4486
Unique No: 10337485
Signed: Wes Davis
Report Date: 16 Feb 2023



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GRAPHS

