



CONSTRUCTION EQUIPMENT

W02007759 VOLVO L90H 624605 - DIESEL ENGINE



Sample No: VCP320917
Oil Type: MOBIL 15W40
Job No: W02007759



SAMPLE INFORMATION

Sample Number	VCP320917	---	---	---
Sample Date	16 Nov 2023	---	---	---
Machine Hours	7008	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	77	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 126	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1635	---	---	---
Magnesium	ppm	█ 667	---	---	---
Zinc	ppm	█ 880	---	---	---
Phosphorus	ppm	█ 676	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 206	---	---	---

Depot: VOLVO0002
Unique No: 10753841
Signed: Don Baldrige
Report Date: 25 Nov 2023



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GRAPHS

