



CONSTRUCTION EQUIPMENT

SW1024553 VOLVO L90H 624722 - DIESEL ENGINE



Sample No: VCP413316
Oil Type: MOBIL 15W40
Job No: SW1024553



SAMPLE INFORMATION

Sample Number	VCP413316	VCP400949	---	---
Sample Date	25 Sep 2023	09 May 2023	---	---
Machine Hours	3498	3337	---	---
Oil Hours	0	124	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.7	█ 13.2	---	---
Base Number (BN)	mg KOH/g	█ 6.3	█ 7.0	---	---
Oxidation (PA)	%	74	69	---	---



CONTAMINATION

Soot %	%	█ 0.8	█ 0.7	---	---
Nitration (PA)	%	93	86	---	---
Sulfation (PA)	%	68	68	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 18	█ 18	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 4	█ 3	---	---

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.



WEAR METALS

Iron	ppm	█ 32	█ 25	---	---
Copper	ppm	█ 3	█ 2	---	---
Lead	ppm	█ 2	█ 1	---	---
Tin	ppm	█ 2	█ 1	---	---
Aluminum	ppm	█ 13	█ 10	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ 32	█ 29	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 2328	█ 2238	---	---
Magnesium	ppm	█ 106	█ 116	---	---
Zinc	ppm	█ 1226	█ 1237	---	---
Phosphorus	ppm	█ 991	█ 966	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 22	█ 26	---	---

Depot: VOLVO6174
Unique No: 10671651
Signed: Wes Davis
Report Date: 02 Oct 2023



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GRAPHS

