



# CONSTRUCTION EQUIPMENT

SPM661462 VOLVO L150H 7240 - DIESEL ENGINE



**Sample No:** VCP413982  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM661462



## SAMPLE INFORMATION

Sample Number	VCP413982	VCP415006	---	---
Sample Date	03 Feb 2024	25 Sep 2023	---	---
Machine Hours	1622	582	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

## SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608  
 Contact: RYAN WISE  
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 T:  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 8.8	█ 9.4	---	---
Oxidation (PA)	%	56	59	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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	NEG	---	---
Soot %	%	█ 0.2	█ 0.1	---	---
Nitration (PA)	%	56	63	---	---
Sulfation (PA)	%	53	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 3	---	---
Sodium	ppm	█ 1	█ 1	---	---
Potassium	ppm	█ 2	█ 0	---	---



## WEAR METALS

Iron	ppm	█ 6	█ 6	---	---
Copper	ppm	▲ 46	█ 1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 58	█ 59	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 1019	█ 1022	---	---
Magnesium	ppm	█ 783	█ 990	---	---
Zinc	ppm	█ 1119	█ 1272	---	---
Phosphorus	ppm	█ 872	█ 1013	---	---
Barium	ppm	█ 11	█ 0	---	---
Boron	ppm	█ 3	█ 0	---	---

**Depot:** SIMCHIIL  
**Unique No:** 10882792  
**Signed:** Jonathan Hester  
**Report Date:** 19 Feb 2024



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## GRAPHS

