



# CONSTRUCTION EQUIPMENT

SPM688850 VOLVO L150H 7240 - DIESEL ENGINE



**Sample No:** VCP436170  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM688850



## SAMPLE INFORMATION

Sample Number	<b>VCP436170</b>	VCP413982	VCP415006	---
Sample Date	<b>03 Apr 2024</b>	03 Feb 2024	25 Sep 2023	---
Machine Hours	<b>2120</b>	1622	582	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

## SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608  
 Contact: RYAN WISE  
 ryan.wise@simsmm.com  
 T:  
 F:



## OIL CONDITION

Visc @ 100°C	cSt	<b>13.0</b>	13.3	12.8	---
Base Number (BN)	mg KOH/g	<b>8.5</b>	8.8	9.4	---
Oxidation (PA)	%	<b>57</b>	56	59	---

## 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.



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.2</b>	0.2	0.1	---
Nitration (PA)	%	<b>60</b>	56	63	---
Sulfation (PA)	%	<b>50</b>	53	52	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>2</b>	6	3	---
Sodium	ppm	<b>&lt;1</b>	1	1	---
Potassium	ppm	<b>0</b>	2	0	---



## WEAR METALS

Iron	ppm	<b>3</b>	6	6	---
Copper	ppm	<b>0</b>	▲ 46	1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>&lt;1</b>	1	<1	---
Chromium	ppm	<b>0</b>	0	0	---
Molybdenum	ppm	<b>61</b>	58	59	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>0</b>	0	0	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1160</b>	1019	1022	---
Magnesium	ppm	<b>1076</b>	783	990	---
Zinc	ppm	<b>1360</b>	1119	1272	---
Phosphorus	ppm	<b>1097</b>	872	1013	---
Barium	ppm	<b>0</b>	11	0	---
Boron	ppm	<b>0</b>	3	0	---

**Depot:** SIMCHIL  
**Unique No:** 10995441  
**Signed:** Wes Davis  
**Report Date:** 25 Apr 2024



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## GRAPHS

