



# CONSTRUCTION EQUIPMENT

SPM566281 VOLVO L150H 6938 - DIESEL ENGINE



**Sample No:** VCP423185  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM566281



## SAMPLE INFORMATION

Sample Number	<b>VCP423185</b>	VCP410979	VCP404145	VCP365779
Sample Date	<b>14 Jun 2023</b>	04 Apr 2023	23 Jan 2023	26 Oct 2022
Machine Hours	<b>9087</b>	5815	5247	4703
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608  
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 T:  
 F:

## OIL CONDITION

Visc @ 100°C	cSt	<b>13.4</b>	13.2	13.7	13.7
Base Number (BN)	mg KOH/g	<b>9.7</b>	9.4	9.6	9.9
Oxidation (PA)	%	<b>60</b>	57	57	62

### 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

Soot %	%	<b>0.2</b>	0.2	0.2	0.2
Nitration (PA)	%	<b>58</b>	58	55	63
Sulfation (PA)	%	<b>53</b>	52	52	57
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	4	3	3
Sodium	ppm	<b>&lt;1</b>	1	1	3
Potassium	ppm	<b>2</b>	2	<1	2

## WEAR METALS

Iron	ppm	<b>3</b>	4	3	3
Copper	ppm	<b>2</b>	1	6	▲ 44
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>1</b>	0	<1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>62</b>	57	60	61
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	<1

## ADDITIVES

Calcium	ppm	<b>1079</b>	1014	1070	1056
Magnesium	ppm	<b>1030</b>	897	950	927
Zinc	ppm	<b>1373</b>	1181	1251	1230
Phosphorus	ppm	<b>1081</b>	993	1001	1010
Barium	ppm	<b>0</b>	0	0	2
Boron	ppm	<b>&lt;1</b>	0	0	1

**Depot:** SIMCHIL  
**Unique No:** 10548404  
**Signed:** Wes Davis  
**Report Date:** 10 Jul 2023



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## VOLVO GRAPHS

