



# CONSTRUCTION EQUIPMENT

SPM566281 VOLVO L150H 6938 - FRONT AXLE



**Sample No:** VCP423135  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM566281



## SAMPLE INFORMATION

Sample Number	<b>VCP423135</b>	VCP410976	VCP364835	VCP322353
Sample Date	<b>14 Jun 2023</b>	04 Apr 2023	23 Aug 2022	25 Jun 2021
Machine Hours	<b>9087</b>	5815	6938	1507
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	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 @ 40°C	cSt	<b>43.9</b>	40.3	40.0	39.6
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## CONTAMINATION

Silicon	ppm	<b>15</b>	16	12	11
Sodium	ppm	<b>2</b>	1	8	11
Potassium	ppm	<b>0</b>	0	0	<1



## WEAR METALS

Iron	ppm	<b>44</b>	50	199	122
Copper	ppm	<b>0</b>	0	1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	<1	2	1
Chromium	ppm	<b>1</b>	<1	6	5
Molybdenum	ppm	<b>1</b>	2	9	9
Nickel	ppm	<b>&lt;1</b>	0	2	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>2</b>	2	11	9
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3562</b>	3937	3603	3771
Magnesium	ppm	<b>23</b>	24	16	13
Zinc	ppm	<b>1461</b>	1598	1455	1523
Phosphorus	ppm	<b>1149</b>	1213	1234	1262
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>149</b>	128	157	152

## 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. Confirm oil type. The condition of the oil is acceptable for the time in service.

**Depot:** SIMCHIL  
**Unique No:** 10548908  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2023



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## GRAPHS

