



# CONSTRUCTION EQUIPMENT

## 2523-1 VOLVO L90F 3199 - REAR AXLE



**Sample No:** VCP390157  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 2523-1



### SAMPLE INFORMATION

Sample Number	<b>VCP390157</b>	VCP390156	VCP397864	VCP346500
Sample Date	<b>28 Jun 2023</b>	28 Mar 2023	13 Dec 2022	17 Feb 2022
Machine Hours	<b>16948</b>	16484	15806	13800
Oil Hours	<b>0</b>	0	0	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### MCCLUNG LOGAN

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.0</b>	42.6	44.7	42.4
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### CONTAMINATION

Silicon	ppm	<b>19</b>	18	14	14
Sodium	ppm	<b>2</b>	2	6	9
Potassium	ppm	<b>0</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>22</b>	14	22	21
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>1</b>	1	2	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3811</b>	3981	4154	4289
Magnesium	ppm	<b>20</b>	18	19	24
Zinc	ppm	<b>1479</b>	1537	1626	1660
Phosphorus	ppm	<b>1204</b>	1222	1280	1381
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>170</b>	142	139	147

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

**Depot:** VOLVO1023  
**Unique No:** 10548935  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2023



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## VOLVO GRAPHS

