



# CONSTRUCTION EQUIPMENT

## 134053 VOLVO A25G 740144 - REAR AXLE



**Sample No:** VCP419435  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 134053



### SAMPLE INFORMATION

Sample Number	<b>VCP419435</b>	VCP419753	VCP384192	VCP361986
Sample Date	<b>18 Aug 2023</b>	02 May 2023	01 Nov 2022	01 Feb 2022
Machine Hours	<b>9495</b>	8939	8552	7576
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>125</b>	131	131	124
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### CONTAMINATION

Silicon	ppm	<b>2</b>	<1	2	3
Sodium	ppm	<b>0</b>	<1	0	2
Potassium	ppm	<b>&lt;1</b>	0	<1	10



### WEAR METALS

Iron	ppm	<b>40</b>	16	44	90
Copper	ppm	<b>5</b>	0	7	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	1
Molybdenum	ppm	<b>0</b>	<1	2	6
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>202</b>	101	186	290
Magnesium	ppm	<b>&lt;1</b>	1	3	15
Zinc	ppm	<b>87</b>	48	78	141
Phosphorus	ppm	<b>1033</b>	1000	995	1068
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>216</b>	192	191	156

### 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:** FCS DAL  
**Unique No:** 10617619  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

