



# CONSTRUCTION EQUIPMENT

## HERC VOLVO A30G 752902 - REAR AXLE



**Sample No:** VCP436018  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** HERC



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### SAMPLE INFORMATION

Sample Number	<b>VCP436018</b>	VCP426217	VCP426216	---
Sample Date	<b>11 Oct 2023</b>	24 Aug 2023	24 Aug 2023	---
Machine Hours	<b>1074</b>	532	532	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>251</b>	91.4	92.0	---
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### CONTAMINATION

Silicon	ppm	<b>10</b>	5	6	---
Sodium	ppm	<b>0</b>	2	2	---
Potassium	ppm	<b>1</b>	4	4	---



### WEAR METALS

Iron	ppm	<b>99</b>	259	261	---
Copper	ppm	<b>3</b>	13	16	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>&lt;1</b>	<1	2	---
Chromium	ppm	<b>2</b>	5	5	---
Molybdenum	ppm	<b>3</b>	11	11	---
Nickel	ppm	<b>1</b>	3	4	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>3</b>	9	9	---
Vanadium	ppm	<b>0</b>	<1	<1	---



### ADDITIVES

Calcium	ppm	<b>140</b>	747	819	---
Magnesium	ppm	<b>13</b>	0	<1	---
Zinc	ppm	<b>91</b>	295	338	---
Phosphorus	ppm	<b>1028</b>	1374	1370	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>100</b>	251	250	---

### 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:** VOLVO0093  
**Unique No:** 10739712  
**Signed:** Wes Davis  
**Report Date:** 14 Nov 2023



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## GRAPHS

