



# CONSTRUCTION EQUIPMENT

7199 IMERYS VOLVO A30G 742635 - FRONT AXLE



**Sample No:** VCP449136  
**Oil Type:** VOLVO API GL-5 SAE 75W90  
**Job No:** 7199 IMERYS



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## SAMPLE INFORMATION

Sample Number	<b>VCP449136</b>	VCP319988	---	---
Sample Date	<b>12 Dec 2023</b>	28 Mar 2022	---	---
Machine Hours	<b>4018</b>	2018	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ATTENTION</b>	ATTENTION	---	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 190</b>	▲ 53.1	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	<b>■ 3</b>	■ 5	---	---
Sodium	ppm	<b>■ 2</b>	■ 5	---	---
Potassium	ppm	<b>■ 0</b>	■ 2	---	---



## WEAR METALS

Iron	ppm	<b>■ 128</b>	■ 368	---	---
Copper	ppm	<b>■ 21</b>	■ 38	---	---
Lead	ppm	<b>■ 0</b>	■ <1	---	---
Tin	ppm	<b>■ &lt;1</b>	■ 2	---	---
Aluminum	ppm	<b>■ 0</b>	■ <1	---	---
Chromium	ppm	<b>■ 2</b>	■ 6	---	---
Molybdenum	ppm	<b>■ 2</b>	■ 8	---	---
Nickel	ppm	<b>■ &lt;1</b>	■ 3	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>■ 4</b>	12	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>■ 289</b>	■ 1162	---	---
Magnesium	ppm	<b>■ 0</b>	■ 2	---	---
Zinc	ppm	<b>■ 130</b>	■ 441	---	---
Phosphorus	ppm	<b>■ 1092</b>	■ 1442	---	---
Barium	ppm	<b>■ 0</b>	■ 0	---	---
Boron	ppm	<b>■ 143</b>	■ 160	---	---

## Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is higher than normal. Confirm oil type.

**Depot:** ASCMAC  
**Unique No:** 10844620  
**Signed:** Don Baldrige  
**Report Date:** 24 Jan 2024



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## GRAPHS

