



# CONSTRUCTION EQUIPMENT

## 662069 VOLVO A35F 10350 - REAR AXLE



**Sample No:** VCP452095  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 662069



### SAMPLE INFORMATION

Sample Number	<b>VCP452095</b>	VCP311951	VCP148440	VCP178927
Sample Date	<b>01 Feb 2024</b>	18 Jun 2021	05 Sep 2019	24 Jan 2016
Machine Hours	<b>12432</b>	11179	10039	4079
Oil Hours	<b>4000</b>	1000	2000	0
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>304</b>	303	274	259.6
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	2	1	7
Sodium	ppm	<b>&lt;1</b>	0	0	3
Potassium	ppm	<b>&lt;1</b>	0	<1	0

### 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.



### WEAR METALS

Iron	ppm	<b>33</b>	14	23	52
Copper	ppm	<b>1</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	2	8
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	2	4	4
Nickel	ppm	<b>&lt;1</b>	0	<1	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	2
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>124</b>	145	77	257
Magnesium	ppm	<b>10</b>	7	8	12
Zinc	ppm	<b>59</b>	39	38	126
Phosphorus	ppm	<b>1029</b>	928	858	950
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>184</b>	190	188	143

**Depot:** RIPTAM  
**Unique No:** 10901573  
**Signed:** Wes Davis  
**Report Date:** 29 Feb 2024



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## GRAPHS

