



# CONSTRUCTION EQUIPMENT

## W5839-4 VOLVO A40F 12024 - FRONT AXLE



**Sample No:** VCP417332  
**Oil Type:** GEAR OIL SAE 85W140  
**Job No:** W5839-4



**McClung-Logan Virginia LLC**  
 2025 COOK DRIVE  
 SALEM, VA  
 US 24153  
 Contact: HUNTER TRIVELLIN  
 ttrivellin@mcclung-logan.com  
 T: (540)789-3750  
 F:



### SAMPLE INFORMATION

Sample Number	VCP417332	VCP287627	---	---
Sample Date	15 Sep 2023	14 Aug 2020	---	---
Machine Hours	5525	374	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	201	312	---	---
-------------	-----	-----	-----	-----	-----



### CONTAMINATION

Silicon	ppm	4	3	---	---
Sodium	ppm	4	0	---	---
Potassium	ppm	0	<1	---	---



### WEAR METALS

Iron	ppm	48	108	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	7	0	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	0	2	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	4	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	439	45	---	---
Magnesium	ppm	17	2	---	---
Zinc	ppm	284	30	---	---
Phosphorus	ppm	1037	961	---	---
Barium	ppm	0	0	---	---
Boron	ppm	153	188	---	---

### 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:** VOLVO9010  
**Unique No:** 10656781  
**Signed:** Don Baldrige  
**Report Date:** 21 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

