



# CONSTRUCTION EQUIPMENT

607997 MOSAIC VOLVO A45G 342286 - FRONT AXLE



**Sample No:** VCP425163  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 607997 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
8418 PALM RIVER ROAD  
TAMPA, FL  
US 33619  
Contact: KENNY HANEY  
khaney@flaglerce.com  
T: (813)630-0077  
F: (813)630-2233



## SAMPLE INFORMATION

Sample Number	<b>VCP425163</b>	VCP409341	VCP372238	---
Sample Date	<b>29 Sep 2023</b>	15 Feb 2023	10 Jun 2022	---
Machine Hours	<b>7665</b>	6453	5089	---
Oil Hours	<b>3665</b>	2000	1000	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>288</b>	287	290	---
-------------	-----	------------	-----	-----	-----



## CONTAMINATION

Silicon	ppm	<b>6</b>	3	2	---
Sodium	ppm	<b>0</b>	<1	1	---
Potassium	ppm	<b>2</b>	0	0	---



## WEAR METALS

Iron	ppm	<b>196</b>	161	108	---
Copper	ppm	<b>3</b>	2	<1	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	<1	<1	---
Chromium	ppm	<b>3</b>	2	2	---
Molybdenum	ppm	<b>3</b>	2	2	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>7</b>	5	4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>62</b>	48	44	---
Magnesium	ppm	<b>6</b>	5	2	---
Zinc	ppm	<b>63</b>	55	46	---
Phosphorus	ppm	<b>1176</b>	965	768	---
Barium	ppm	<b>9</b>	0	0	---
Boron	ppm	<b>150</b>	151	130	---

## 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:** 10709586  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

