



CONSTRUCTION EQUIPMENT

715745 MOSAIC VOLVO A45G 352594 - REAR AXLE



Sample No: VCP454834
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 715745 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	VCP454834	VCP0007636	---	---
Sample Date	13 May 2024	06 Jun 2023	---	---
Machine Hours	5749	0	---	---
Oil Hours	1700	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	51.5	51.3	---	---
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CONTAMINATION

Water	%	0.119	NEG	---	---
Silicon	ppm	8	4	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	5	4	---	---



WEAR METALS

Iron	ppm	399	194	---	---
Copper	ppm	6	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	4	2	---	---
Molybdenum	ppm	7	9	---	---
Nickel	ppm	2	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	12	12	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	149	133	---	---
Magnesium	ppm	3	<1	---	---
Zinc	ppm	83	58	---	---
Phosphorus	ppm	2358	2461	---	---
Barium	ppm	0	0	---	---
Boron	ppm	128	173	---	---

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 oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0093
Unique No: 11072526
Signed: Don Baldrige
Report Date: 12 Jun 2024



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GRAPHS

