



CONSTRUCTION EQUIPMENT

607997 MOSAIC VOLVO A45G 342286 - REAR AXLE



Sample No: VCP416904
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 607997 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP416904	VCP398299	VCP354578	---
Sample Date	29 Sep 2023	15 Feb 2023	10 Jun 2022	---
Machine Hours	7665	6453	5089	---
Oil Hours	3665	2000	1000	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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



OIL CONDITION

Visc @ 40°C	cSt	▲ 53.0	■ 296	■ 301	---
-------------	-----	---------------	-------	-------	-----



CONTAMINATION

Silicon	ppm	■ 10	■ 3	■ 2	---
Sodium	ppm	■ <1	■ <1	■ 1	---
Potassium	ppm	■ 2	■ 0	■ 0	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 615	■ 118	■ 73	---
Copper	ppm	■ 9	■ 7	■ 3	---
Lead	ppm	■ <1	■ 0	■ 0	---
Tin	ppm	■ 0	■ 0	■ 0	---
Aluminum	ppm	■ 2	■ <1	■ <1	---
Chromium	ppm	■ 6	■ 2	■ 1	---
Molybdenum	ppm	■ 4	■ 1	■ <1	---
Nickel	ppm	■ 3	■ <1	■ 0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 13	■ 4	■ 2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 56	■ 96	■ 65	---
Magnesium	ppm	■ 3	■ 5	■ 2	---
Zinc	ppm	■ 45	■ 69	■ 47	---
Phosphorus	ppm	■ 2306	■ 953	■ 671	---
Barium	ppm	■ 9	■ 0	■ 0	---
Boron	ppm	■ 116	■ 149	■ 51	---

Depot: VOLVO0093
Unique No: 10709578
Signed: Sean Felton
Report Date: 25 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

