



CONSTRUCTION EQUIPMENT

6079 MOSAIC VOLVO A45G 342286 - BOGIE/CENTER AXLE



Sample No: VCP413113
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 6079 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	VCP413113	VCP407286	VCP377755	---
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	NORMAL	ABNORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	295	▲ 54.5	301	---
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CONTAMINATION

Silicon	ppm	4	6	1	---
Sodium	ppm	0	2	1	---
Potassium	ppm	2	<1	0	---



WEAR METALS

Iron	ppm	153	425	60	---
Copper	ppm	9	7	3	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	2	1	<1	---
Chromium	ppm	2	5	<1	---
Molybdenum	ppm	2	2	<1	---
Nickel	ppm	1	2	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	10	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	108	60	58	---
Magnesium	ppm	6	2	2	---
Zinc	ppm	82	▲ 43	45	---
Phosphorus	ppm	1170	▲ 1944	635	---
Barium	ppm	9	0	0	---
Boron	ppm	94	163	45	---

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: 10709580
Signed: Sean Felton
Report Date: 25 Oct 2023



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GRAPHS

