



CONSTRUCTION EQUIPMENT

715745 MOSAIC VOLVO A45G 352594 - BOGIE/CENTER AXLE



Sample No: VCP451487
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 715745 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP451487	VCP0007631	---	---
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	---	---

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OIL CONDITION

Visc @ 40°C	cSt	51.6	51.0	---	---
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CONTAMINATION

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

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.



WEAR METALS

Iron	ppm	248	188	---	---
Copper	ppm	2	4	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	3	2	---	---
Molybdenum	ppm	10	2	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	14	8	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	122	169	---	---
Magnesium	ppm	3	<1	---	---
Zinc	ppm	67	74	---	---
Phosphorus	ppm	2300	2301	---	---
Barium	ppm	0	0	---	---
Boron	ppm	149	152	---	---

Depot: VOLVO0093
Unique No: 11072517
Signed: Don Baldrige
Report Date: 12 Jun 2024



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GRAPHS

