



CONSTRUCTION EQUIPMENT

565152 MOSAIC VOLVO A40G 342363 - BOGIE/CENTER AXLE



Sample No: VCP417581
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 565152 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP417581	VCP360640	VCP340346	VCP269707
Sample Date	05 Jun 2023	22 Jun 2022	26 Oct 2021	27 Feb 2020
Machine Hours	7605	5980	4925	1996
Oil Hours	3000	2000	1500	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	309	309	302	277
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CONTAMINATION

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

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.



WEAR METALS

Iron	ppm	55	30	54	107
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	<1	0
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	2	1	<1	2
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	4
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	80	25	121	89
Magnesium	ppm	9	8	8	10
Zinc	ppm	53	27	50	47
Phosphorus	ppm	1025	675	795	904
Barium	ppm	0	2	0	0
Boron	ppm	154	135	138	149

Depot: VOLVO0093
Unique No: 10551193
Signed: Wes Davis
Report Date: 12 Jul 2023



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GRAPHS

