



CONSTRUCTION EQUIPMENT

660308 MOSAIC VOLVO A45G 342286 - FRONT AXLE



Sample No: VCP449217
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 660308 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP449217	VCP425163	VCP409341	VCP372238
Sample Date	16 Jan 2024	29 Sep 2023	15 Feb 2023	10 Jun 2022
Machine Hours	3868	7665	6453	5089
Oil Hours	2868	3665	2000	1000
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	287	288	287	290
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	6	3	2
Sodium	ppm	0	0	<1	1
Potassium	ppm	<1	2	0	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	131	196	161	108
Copper	ppm	3	3	2	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	<1	<1
Chromium	ppm	2	3	2	2
Molybdenum	ppm	2	3	2	2
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	6	7	5	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	86	62	48	44
Magnesium	ppm	5	6	5	2
Zinc	ppm	49	63	55	46
Phosphorus	ppm	1107	1176	965	768
Barium	ppm	10	9	0	0
Boron	ppm	131	150	151	130

Depot: VOLVO0093
Unique No: 10886646
Signed: Sean Felton
Report Date: 21 Feb 2024



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GRAPHS

