



CONSTRUCTION EQUIPMENT

VOLVO A45G 342096 - FRONT AXLE



Sample No: VCP446722
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP446722	VCP438713	VCP435397	VCP415568
Sample Date	21 May 2024	02 Apr 2024	13 Nov 2023	22 Aug 2023
Machine Hours	10526	10079	9583	9107
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	298	293	292	292
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	2	4	4
Sodium	ppm	1	<1	0	<1
Potassium	ppm	1	0	1	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	18	103	66	67
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	0	1	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	6	2	2	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	221	41	79	104
Magnesium	ppm	29	11	16	19
Zinc	ppm	133	43	46	60
Phosphorus	ppm	1082	1147	1100	1115
Barium	ppm	0	0	0	0
Boron	ppm	170	190	190	206

Depot: SAIBIR
Unique No: 11057925
Signed: Don Baldrige
Report Date: 01 Jun 2024



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GRAPHS

