



CONSTRUCTION EQUIPMENT

VOLVO A45G 342096 - REAR AXLE



Sample No: VCP432034
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP432034	VCP438720	VCP435400	VCP411887
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 Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	298	280	279	275
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	2	5	3
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	8	34	28	18
Copper	ppm	0	0	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	0	1	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	6	3	5	2
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	234	67	142	113
Magnesium	ppm	30	20	34	26
Zinc	ppm	142	66	95	71
Phosphorus	ppm	1085	1122	1497	1070
Barium	ppm	0	0	0	0
Boron	ppm	179	187	266	200

Depot: SAIBIR
Unique No: 11057906
Signed: Don Baldrige
Report Date: 01 Jun 2024



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GRAPHS

