



CONSTRUCTION EQUIPMENT

SWO-071765 VOLVO A45G 342546 - REAR AXLE



Sample No: VCP449654
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-071765



SAMPLE INFORMATION

Sample Number	VCP449654	VCP429384	VCP417812	VCP410301
Sample Date	07 May 2024	04 Oct 2023	19 Jun 2023	31 Mar 2023
Machine Hours	8542	8046	7553	7178
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

Contact: STEPHANI BRITTON
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OIL CONDITION

Visc @ 40°C	cSt	319	318	319	319
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	6	4
Sodium	ppm	0	0	1	0
Potassium	ppm	2	<1	<1	<1



WEAR METALS

Iron	ppm	69	54	64	59
Copper	ppm	<1	<1	<1	0
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	0	3	0
Chromium	ppm	1	<1	1	1
Molybdenum	ppm	3	2	2	2
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	125	107	116	110
Magnesium	ppm	28	25	30	26
Zinc	ppm	87	74	74	76
Phosphorus	ppm	1137	984	993	990
Barium	ppm	1	1	0	0
Boron	ppm	213	163	187	193

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.

Depot: SAIBIR
Unique No: 11021957
Signed: Sean Felton
Report Date: 14 May 2024



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GRAPHS

