



CONSTRUCTION EQUIPMENT

VOLVO A45G 342096 - BOGIE/CENTER AXLE



Sample No: VCP432035
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP432035	VCP438714	VCP435402	VCP411890
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	ABNORMAL

SAIIA CONSTRUCTION LLC
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OIL CONDITION

Visc @ 40°C	cSt	296	290	287	288
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	3	4	5
Sodium	ppm	1	<1	0	<1
Potassium	ppm	2	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	26	60	36	37
Copper	ppm	0	0	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	0	1	3
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	6	2	3	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	225	53	86	90
Magnesium	ppm	30	13	19	22
Zinc	ppm	137	57	55	60
Phosphorus	ppm	1107	1141	1115	1102
Barium	ppm	0	0	0	0
Boron	ppm	182	189	186	200

Depot: SAIBIR
Unique No: 11057905
Signed: Don Baldrige
Report Date: 01 Jun 2024



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GRAPHS

