



CONSTRUCTION EQUIPMENT

SWO-06920 VOLVO A45G 352916 - BOGIE/CENTER AXLE



Sample No: VCP441038
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-06920



SAMPLE INFORMATION

Sample Number	VCP441038	VCP435122	VCP405796	VCP369305
Sample Date	26 Jan 2024	11 Oct 2023	05 Sep 2023	07 Aug 2023
Machine Hours	4034	3517	3285	3113
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	128	129	128	50.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	3	5
Sodium	ppm	0	2	1	0
Potassium	ppm	3	<1	1	5

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	95	85	87	202
Copper	ppm	3	2	0	4
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	0	0	<1
Chromium	ppm	2	2	2	2
Molybdenum	ppm	5	4	4	8
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	4	11
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	73	51	48	139
Magnesium	ppm	21	32	21	1
Zinc	ppm	87	62	71	69
Phosphorus	ppm	1017	946	1013	2373
Barium	ppm	<1	0	0	2
Boron	ppm	94	86	100	107

Depot: SAIBIR
Unique No: 10858229
Signed: Sean Felton
Report Date: 02 Feb 2024



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GRAPHS

