



CONSTRUCTION EQUIPMENT

SWO-069182 VOLVO A45G 352639 - BOGIE/CENTER AXLE



Sample No: VCP441450
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-069182



SAMPLE INFORMATION

Sample Number	VCP441450	VCP431984	VCP416396	VCP410033
Sample Date	24 Jan 2024	23 Oct 2023	07 Aug 2023	12 May 2023
Machine Hours	5434	4956	4377	3923
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC
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OIL CONDITION

Visc @ 40°C	cSt	286	285	287	49.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	4	4
Sodium	ppm	0	13	0	1
Potassium	ppm	2	2	<1	3

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	12	17	131
Copper	ppm	0	0	<1	3
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	4	<1	0
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	1	1	2	3
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	6
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	89	41	90	110
Magnesium	ppm	21	11	18	<1
Zinc	ppm	61	28	61	59
Phosphorus	ppm	1097	534	1065	2306
Barium	ppm	0	0	2	0
Boron	ppm	216	79	212	235

Depot: SAIBIR
Unique No: 10849942
Signed: Don Baldrige
Report Date: 31 Jan 2024



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GRAPHS

