



CONSTRUCTION EQUIPMENT

SWO-070332 VOLVO A45G 352705 - BOGIE/CENTER AXLE



Sample No: VCP452458
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-070332



SAMPLE INFORMATION

Sample Number	VCP452458	VCP431010	VCP411888	VCP402782
Sample Date	12 Mar 2024	14 Nov 2023	09 Aug 2023	14 Apr 2023
Machine Hours	5950	5454	4958	4480
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION

SAIIA CONSTRUCTION LLC
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OIL CONDITION

Visc @ 40°C	cSt	303	302	302	300
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	4	4
Sodium	ppm	0	0	0	0
Potassium	ppm	0	2	2	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	96	83	83	101
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	1	0	<1
Chromium	ppm	<1	1	1	1
Molybdenum	ppm	<1	1	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	3	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	33	40	44	31
Magnesium	ppm	12	20	18	13
Zinc	ppm	45	45	52	26
Phosphorus	ppm	973	1161	1116	1260
Barium	ppm	0	0	2	0
Boron	ppm	189	229	226	254

Depot: SAIBIR
Unique No: 10930006
Signed: Don Baldrige
Report Date: 20 Mar 2024



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GRAPHS

