



CONSTRUCTION EQUIPMENT

SWO-068706 VOLVO A45G 352134 - BOGIE/CENTER AXLE



Sample No: VCP435644
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-068706



SAMPLE INFORMATION

Sample Number	VCP435644	VCP431052	VCP431897	VCP412988
Sample Date	04 Jan 2024	22 Nov 2023	26 Sep 2023	31 May 2023
Machine Hours	8960	8724	8228	7234
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	279	278	306	307
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CONTAMINATION

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



WEAR METALS

Iron	ppm	37	19	88	68
Copper	ppm	1	<1	2	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	<1	2	<1
Chromium	ppm	<1	0	1	<1
Molybdenum	ppm	10	7	2	2
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	166	141	87	79
Magnesium	ppm	44	44	38	36
Zinc	ppm	147	135	92	76
Phosphorus	ppm	891	859	1082	1056
Barium	ppm	2	0	0	0
Boron	ppm	154	119	224	202

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: 10830987
Signed: Jonathan Hester
Report Date: 16 Jan 2024



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GRAPHS

