



CONSTRUCTION EQUIPMENT

SWO-066002 VOLVO A45G 352 134 - BOGIE/CENTER AXLE



Sample No: VCP431897
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-066002



SAMPLE INFORMATION

Sample Number	VCP431897	VCP412988	VCP401937	VCP406409
Sample Date	26 Sep 2023	31 May 2023	04 Apr 2023	06 Feb 2023
Machine Hours	8228	7234	6763	6236
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	306	307	303	306
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CONTAMINATION

Silicon	ppm	4	3	4	4
Sodium	ppm	<1	<1	0	<1
Potassium	ppm	0	0	0	<1

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	88	68	60	106
Copper	ppm	2	<1	<1	3
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	<1	<1	0
Chromium	ppm	1	<1	1	2
Molybdenum	ppm	2	2	2	3
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	87	79	55	109
Magnesium	ppm	38	36	35	13
Zinc	ppm	92	76	77	56
Phosphorus	ppm	1082	1056	1007	900
Barium	ppm	0	0	0	0
Boron	ppm	224	202	202	137

Depot: SAIBIR
Unique No: 10671439
Signed: Don Baldrige
Report Date: 01 Oct 2023



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VOLVO GRAPHS

