



CONSTRUCTION EQUIPMENT

VOLVO A45G 342096 - BOGIE/CENTER AXLE



Sample No: VCP435402
Oil Type: GEAR OIL SAE 80W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP435402	VCP411890	VCP404585	VCP393437
Sample Date	13 Nov 2023	22 Aug 2023	08 May 2023	16 Dec 2022
Machine Hours	9583	9107	8608	8113
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	287	288	289	49.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	5	3	6
Sodium	ppm	0	<1	1	4
Potassium	ppm	<1	0	<1	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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	36	37	31	39
Copper	ppm	<1	0	0	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	3	<1	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	1	2	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	86	90	80	122
Magnesium	ppm	19	22	22	<1
Zinc	ppm	55	60	51	14
Phosphorus	ppm	1115	1102	1084	2094
Barium	ppm	0	0	0	0
Boron	ppm	186	200	156	226

Depot: SAIBIR
Unique No: 10754614
Signed: Jonathan Hester
Report Date: 27 Nov 2023



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VOLVO GRAPHS

