



CONSTRUCTION EQUIPMENT

SW068081 VOLVO A30G 752673 - BOGIE/CENTER AXLE



Sample No: VCP433312
Oil Type: GEAR OIL SAE 80W90
Job No: SW068081



SAMPLE INFORMATION

Sample Number	VCP433312	VCP435436	VCP424685	VCP383837
Sample Date	06 Dec 2023	27 Sep 2023	23 Jun 2023	02 Dec 2022
Machine Hours	1983	1495	987	490
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	91.7	86.3	93.2	92.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	6	4	4
Sodium	ppm	2	3	2	2
Potassium	ppm	<1	3	5	4

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of visible silt present in the sample. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	230	190	271	256
Copper	ppm	24	21	17	16
Lead	ppm	0	<1	0	<1
Tin	ppm	0	1	<1	<1
Aluminum	ppm	<1	0	0	2
Chromium	ppm	5	4	6	6
Molybdenum	ppm	26	25	21	20
Nickel	ppm	2	2	3	3
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	12	14	11	10
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	706	902	628	638
Magnesium	ppm	0	1	2	3
Zinc	ppm	266	391	277	247
Phosphorus	ppm	1309	1679	1330	1207
Barium	ppm	0	2	5	0
Boron	ppm	271	193	240	244

Depot: SAIBIR
Unique No: 10780754
Signed: Don Baldrige
Report Date: 14 Dec 2023



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GRAPHS

