



CONSTRUCTION EQUIPMENT

10998 VOLVO A30D 12131 - BOGIE/CENTER AXLE



Sample No: VCP412469
Oil Type: GEAR OIL SAE 80W90
Job No: 10998



SAMPLE INFORMATION

Sample Number	VCP412469	VCP339275	VCP255461	VCP256683
Sample Date	27 Aug 2023	28 Jan 2022	29 May 2020	19 Sep 2019
Machine Hours	11023	10505	10160	10000
Oil Hours	0	2000	1500	1000
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	332	334	330	331
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CONTAMINATION

Silicon	ppm	16	12	12	11
Sodium	ppm	2	4	3	4
Potassium	ppm	<1	<1	<1	17



WEAR METALS

Iron	ppm	84	52	55	48
Copper	ppm	8	5	5	4
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	33	120	31	29
Magnesium	ppm	6	8	6	6
Zinc	ppm	27	54	23	21
Phosphorus	ppm	992	931	835	789
Barium	ppm	0	0	0	0
Boron	ppm	180	185	138	133

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: JAAPHI
Unique No: 10630554
Signed: Don Baldrige
Report Date: 05 Sep 2023



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GRAPHS

