



CONSTRUCTION EQUIPMENT

10998 VOLVO A30D 12131 - FRONT AXLE



Sample No: VCP412359
Oil Type: GEAR OIL SAE 80W90
Job No: 10998



SAMPLE INFORMATION

Sample Number	VCP412359	VCP339221	VCP265215	VCP256864
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	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	332	335	333	332
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CONTAMINATION

Silicon	ppm	39	24	32	28
Sodium	ppm	2	4	4	4
Potassium	ppm	3	2	2	16

WEAR METALS

Iron	ppm	203	83	132	115
Copper	ppm	32	21	21	19
Lead	ppm	0	<1	0	0
Tin	ppm	1	<1	<1	0
Aluminum	ppm	6	5	5	5
Chromium	ppm	2	<1	1	1
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	2	<1	1	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	2	1	2	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	34	113	32	33
Magnesium	ppm	7	8	6	8
Zinc	ppm	28	51	24	23
Phosphorus	ppm	974	930	825	805
Barium	ppm	0	0	0	0
Boron	ppm	167	176	133	127

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: 10630555
Signed: Don Baldrige
Report Date: 05 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

