



CONSTRUCTION EQUIPMENT

10998 VOLVO A30D 12131 - DROP BOX



Sample No: VCP412361
Oil Type: GEAR OIL SAE 80W90
Job No: 10998



SAMPLE INFORMATION

Sample Number	VCP412361	VCP339222	VCP271982	VCP257053
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	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	▲ 73.33	■ 334	■ 332	■ 332
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CONTAMINATION

Silicon	ppm	■ 5	■ 4	■ 10	■ 9
Sodium	ppm	■ <1	■ 1	■ 3	■ 4
Potassium	ppm	■ <1	■ 0	■ 2	■ 9



WEAR METALS

Iron	ppm	■ 30	■ 18	■ 45	■ 39
Copper	ppm	■ <1	■ <1	■ <1	■ <1
Lead	ppm	■ 0	■ <1	■ 0	■ 0
Tin	ppm	■ 0	■ 0	■ <1	■ 0
Aluminum	ppm	■ 2	■ 2	■ 5	■ 6
Chromium	ppm	■ <1	■ <1	■ <1	■ <1
Molybdenum	ppm	■ <1	■ <1	■ <1	■ <1
Nickel	ppm	■ <1	■ <1	■ 0	■ <1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	■ <1	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 9	■ 16	■ 30	■ 38
Magnesium	ppm	■ 1	■ 2	■ 6	■ 7
Zinc	ppm	■ 12	■ 0	■ 23	■ 25
Phosphorus	ppm	■ 1973	■ 316	■ 831	■ 817
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 255	■ 62	■ 141	■ 139

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 oil viscosity is lower than normal. Confirm oil type.

Depot: JAAPHI
Unique No: 10630553
Signed: Don Baldrige
Report Date: 07 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

