



CONSTRUCTION EQUIPMENT

TITAN VOLVO A30G 740290 - REAR AXLE



Sample No: VCP424587
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: TITAN



SAMPLE INFORMATION

Sample Number	VCP424587	VCP259286	VCP238143	VCP189396
Sample Date	02 Aug 2023	16 Dec 2019	31 Jan 2019	22 May 2018
Machine Hours	8505	3835	2574	1536
Oil Hours	0	0	2000	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	88.1	█ 115	▲ 77.79	▲ 49.54
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CONTAMINATION

Silicon	ppm	█ 48	█ 3	█ 1	█ 3
Sodium	ppm	█ 6	█ 2	█ 1	█ 2
Potassium	ppm	█ 4	█ 0	█ 0	█ 16

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	█ 715	█ 186	█ 190	█ 438
Copper	ppm	█ 32	█ 7	█ 10	█ 34
Lead	ppm	█ 0	█ 0	█ 0	█ 0
Tin	ppm	█ 2	█ 0	█ 0	█ 0
Aluminum	ppm	█ 7	█ <1	█ 1	█ <1
Chromium	ppm	█ 10	█ 3	█ 3	█ 6
Molybdenum	ppm	█ 1	█ <1	█ 0	█ 5
Nickel	ppm	█ 3	█ <1	█ <1	█ 4
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	█ 9	█ 4	█ 4	█ 10
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	█ 66	█ 35	█ 3	█ 29
Magnesium	ppm	█ 2	█ 0	█ 0	█ <1
Zinc	ppm	█ 30	█ 10	█ 0	█ 17
Phosphorus	ppm	1364	█ 970	█ 958	█ 2194
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 87	█ 125	█ 54	█ 218

Depot: VOLVO0264
Unique No: 10615801
Signed: Sean Felton
Report Date: 23 Aug 2023



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GRAPHS

