



CONSTRUCTION EQUIPMENT

X59231 VOLVO A25G 752703 - FRONT RIGHT FINAL DRIVE



Sample No: VCP437144
Oil Type: GEAR OIL SAE 80W90
Job No: X59231



SAMPLE INFORMATION

Sample Number	VCP437144	VCP437146	VCP425396	VCP425394
Sample Date	12 Feb 2024	12 Feb 2024	16 Nov 2023	16 Nov 2023
Machine Hours	1976	1976	1473	1473
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	143	143	85.3	85.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	4	4
Sodium	ppm	0	0	<1	0
Potassium	ppm	2	1	3	2

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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	61	64	210	258
Copper	ppm	7	7	33	35
Lead	ppm	0	0	0	0
Tin	ppm	0	0	2	2
Aluminum	ppm	2	2	<1	<1
Chromium	ppm	<1	<1	4	5
Molybdenum	ppm	<1	<1	4	6
Nickel	ppm	0	0	3	3
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	7	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	110	114	793	797
Magnesium	ppm	<1	<1	4	3
Zinc	ppm	45	46	358	362
Phosphorus	ppm	1165	1166	1397	1381
Barium	ppm	0	0	9	7
Boron	ppm	194	194	222	215

Depot: SCOSAI
Unique No: 10885430
Signed: Wes Davis
Report Date: 19 Feb 2024



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GRAPHS

