



CONSTRUCTION EQUIPMENT

W07013431-1 VOLVO A40G 340980 - FRONT AXLE



Sample No: VCP415366
Oil Type: GEAR OIL SAE 75W80
Job No: W07013431-1



SAMPLE INFORMATION

Sample Number	VCP415366	VCP235568	VCP236874	---
Sample Date	19 Sep 2023	15 Apr 2019	06 Mar 2019	---
Machine Hours	6287	3615	3609	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	N/A	---
Sample Status	NORMAL	SEVERE	ABNORMAL	---

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1345 MOUNTAIN ROAD
GLEN ALLEN, VA
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OIL CONDITION

Visc @ 40°C	cSt	53.2	66.81	68.00	---
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CONTAMINATION

Silicon	ppm	4	18	13	---
Sodium	ppm	0	5	4	---
Potassium	ppm	<1	3	2	---



WEAR METALS

Iron	ppm	153	1849	1513	---
Copper	ppm	5	12	8	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	3	7	6	---
Chromium	ppm	1	20	14	---
Molybdenum	ppm	<1	8	0	---
Nickel	ppm	<1	10	7	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	21	18	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	55	169	80	---
Magnesium	ppm	2	14	6	---
Zinc	ppm	37	263	215	---
Phosphorus	ppm	2371	1611	1409	---
Barium	ppm	0	0	0	---
Boron	ppm	239	99	87	---

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.

Depot: VOLVO8882
Unique No: 10661396
Signed: Wes Davis
Report Date: 26 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

