



CONSTRUCTION EQUIPMENT

VOLVO A40G 342175 - BOGIE/CENTER AXLE



Sample No: VCP407853

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No:



SAMPLE INFORMATION

Sample Number	VCP407853	VCP389334	VCP332847	VCP337010
Sample Date	16 Jun 2023	15 Sep 2022	01 Mar 2022	30 Aug 2021
Machine Hours	9340	8071	7189	6287
Oil Hours	0	500	1500	2000
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE

TAMPA, FL

US 33619

Contact: ROBERT TURNER

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OIL CONDITION

Visc @ 40°C	cSt	269	296	295	235
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CONTAMINATION

Silicon	ppm	3	2	2	11
Sodium	ppm	<1	0	0	2
Potassium	ppm	0	<1	1	8



WEAR METALS

Iron	ppm	22	49	57	44
Copper	ppm	0	1	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	11
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	8	4	3	13
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	151	130	93	176
Magnesium	ppm	55	30	23	50
Zinc	ppm	119	69	47	140
Phosphorus	ppm	982	1012	1006	820
Barium	ppm	0	0	0	0
Boron	ppm	171	178	180	146

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: RIPTAM

Unique No: 10552317

Signed: Don Baldrige

Report Date: 13 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

