



CONSTRUCTION EQUIPMENT

567604 VOLVO A40G 342177 - FRONT AXLE



Sample No: VCP417105
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 567604



SAMPLE INFORMATION

Sample Number	VCP417105	VCP386064	VCP332198	VCP318853
Sample Date	29 Jun 2023	19 Sep 2022	02 Mar 2022	31 Aug 2021
Machine Hours	10619	9332	8227	7246
Oil Hours	2000	500	1500	1000
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
 rturner@ripatampa.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	301	311	255	263
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CONTAMINATION

Silicon	ppm	4	2	3	2
Sodium	ppm	0	0	0	<1
Potassium	ppm	0	<1	1	2



WEAR METALS

Iron	ppm	61	23	62	30
Copper	ppm	1	<1	9	4
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	1	6	4
Nickel	ppm	0	0	0	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	154	88	156	102
Magnesium	ppm	6	5	21	14
Zinc	ppm	88	56	105	66
Phosphorus	ppm	1122	978	1023	829
Barium	ppm	0	0	0	0
Boron	ppm	218	170	166	185

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: 10574637
Signed: Sean Felton
Report Date: 28 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

