



CONSTRUCTION EQUIPMENT

VOLVO A40G 342 176 - REAR AXLE



Sample No: VCP437068
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP437068	VCP437074	VCP416416	VCP301923
Sample Date	22 Mar 2024	22 Mar 2024	01 Aug 2023	28 Dec 2020
Machine Hours	8750	8750	7664	5299
Oil Hours	0	0	0	1000
Oil Changed	Changed	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	289	277	265	254
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	22	18	11	5
Sodium	ppm	<1	<1	0	<1
Potassium	ppm	<1	1	1	0

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	179	138	80	39
Copper	ppm	0	0	1	<1
Lead	ppm	0	0	0	3
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	1	<1	<1
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	3	6	4	3
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	149	179	139	94
Magnesium	ppm	9	24	22	5
Zinc	ppm	70	95	81	46
Phosphorus	ppm	1015	1016	1032	955
Barium	ppm	0	0	2	0
Boron	ppm	179	169	187	150

Depot: RIPTAM
Unique No: 11044774
Signed: Wes Davis
Report Date: 24 May 2024



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GRAPHS

