



CONSTRUCTION EQUIPMENT

VOLVO A40G 342 176 - BOGIE/CENTER AXLE



Sample No: VCP437074
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP437074	VCP301361	VCP271164	VCP237304
Sample Date	22 Mar 2024	28 Dec 2020	14 Apr 2020	07 Feb 2019
Machine Hours	8750	5299	4225	2167
Oil Hours	0	1000	2000	2167
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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T:
F:



OIL CONDITION

Visc @ 40°C	cSt	277	252	278	51.76
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	3	4	4
Sodium	ppm	<1	<1	<1	4
Potassium	ppm	1	0	2	2



WEAR METALS

Iron	ppm	138	20	78	441
Copper	ppm	0	<1	<1	4
Lead	ppm	0	4	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	<1	0	<1
Chromium	ppm	<1	<1	1	7
Molybdenum	ppm	6	2	1	2
Nickel	ppm	<1	0	<1	2
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	2	14
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	179	105	41	21
Magnesium	ppm	24	6	8	0
Zinc	ppm	95	49	17	10
Phosphorus	ppm	1016	956	912	2266
Barium	ppm	0	0	0	0
Boron	ppm	169	154	138	227

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: 11044766
Signed: Sean Felton
Report Date: 28 May 2024



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GRAPHS

