



CONSTRUCTION EQUIPMENT

VOLVO A40G 342 176 - REAR AXLE



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



SAMPLE INFORMATION

Sample Number	VCP437074	VCP416416	VCP301923	VCP271167
Sample Date	22 Mar 2024	01 Aug 2023	28 Dec 2020	14 Apr 2020
Machine Hours	8750	7664	5299	4225
Oil Hours	0	0	1000	2000
Oil Changed	N/A	Not Changd	Not Changd	Changed
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	277	265	254	275
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	11	5	4
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	1	1	0	4

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	138	80	39	85
Copper	ppm	0	1	<1	<1
Lead	ppm	0	0	3	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	1	<1	<1	0
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	6	4	3	1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	<1	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	179	139	94	37
Magnesium	ppm	24	22	5	8
Zinc	ppm	95	81	46	15
Phosphorus	ppm	1016	1032	955	898
Barium	ppm	0	2	0	0
Boron	ppm	169	187	150	138

Depot: RIPTAM
Unique No: 11044766
Signed: Wes Davis
Report Date: 24 May 2024



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VOLVO GRAPHS

