



CONSTRUCTION EQUIPMENT

VOLVO A40G 342 176 - FRONT AXLE



Sample No: VCP437069
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP437069	VCP417005	VCP301366	VCP271178
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	Changed	Not Chngd	Not Chngd	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	253	255	255	280
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	7	8	3
Sodium	ppm	0	0	<1	<1
Potassium	ppm	<1	<1	6	6

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	74	72	38	69
Copper	ppm	0	1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	1	2	0	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	<1	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	107	107	90	35
Magnesium	ppm	6	11	8	11
Zinc	ppm	54	59	46	17
Phosphorus	ppm	1109	1101	965	874
Barium	ppm	0	2	0	0
Boron	ppm	153	168	142	136

Depot: RIPTAM
Unique No: 11044773
Signed: Wes Davis
Report Date: 24 May 2024



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VOLVO GRAPHS

