



CONSTRUCTION EQUIPMENT

634367 VOLVO A40G 352842 - FRONT AXLE



Sample No: VCP432438
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 634367



SAMPLE INFORMATION

Sample Number	VCP432438	VCP410387	VCP359716	VCP359338
Sample Date	27 Nov 2023	11 May 2023	13 Oct 2022	19 Apr 2022
Machine Hours	4010	3070	1984	1024
Oil Hours	3010	2000	1000	1024
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	125	125	126	53.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	5	5	2
Sodium	ppm	1	<1	0	2
Potassium	ppm	1	<1	2	5

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	172	227	182	125
Copper	ppm	1	1	<1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	2	4	3	1
Molybdenum	ppm	3	5	5	4
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	5	7	5	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	27	47	23	12
Magnesium	ppm	4	4	5	<1
Zinc	ppm	24	31	25	7
Phosphorus	ppm	1647	1665	1592	2592
Barium	ppm	0	0	1	0
Boron	ppm	188	215	212	219

Depot: RIPTAM
Unique No: 10834498
Signed: Sean Felton
Report Date: 18 Jan 2024



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GRAPHS

