



CONSTRUCTION EQUIPMENT

634367 VOLVO A40G 352842 - REAR AXLE



Sample No: VCP433121
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 634367



SAMPLE INFORMATION

Sample Number	VCP433121	VCP424159	VCP385307	VCP332224
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	Changed
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	126	124	124	50.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	6	6	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	73	252	218	108
Copper	ppm	2	2	<1	3
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	<1	4	3	1
Molybdenum	ppm	1	3	3	2
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	5	9	7	6
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	100	35	81	25
Magnesium	ppm	3	5	5	<1
Zinc	ppm	46	27	35	13
Phosphorus	ppm	1657	1681	1646	2613
Barium	ppm	0	0	1	0
Boron	ppm	185	214	217	250

Depot: RIPTAM
Unique No: 10834500
Signed: Sean Felton
Report Date: 18 Jan 2024



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GRAPHS

