



CONSTRUCTION EQUIPMENT

687753 VOLVO A40G 352513 - REAR AXLE



Sample No: VCP439693
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 687753



SAMPLE INFORMATION

Sample Number	VCP439693	VCP422941	VCP390654	VCP360242
Sample Date	14 Mar 2024	31 Jul 2023	26 Sep 2022	16 Mar 2022
Machine Hours	6161	5166	3603	2597
Oil Hours	0	2000	500	1597
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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	307	74.0	83.4	51.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	34	3	2	4
Sodium	ppm	<1	0	0	2
Potassium	ppm	0	1	<1	3

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	437	95	36	365
Copper	ppm	12	2	1	4
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	6	1	<1	4
Molybdenum	ppm	12	<1	<1	2
Nickel	ppm	2	<1	0	2
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	17	4	2	16
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	393	18	27	43
Magnesium	ppm	48	3	2	2
Zinc	ppm	232	22	27	15
Phosphorus	ppm	1212	1985	1873	2601
Barium	ppm	<1	1	0	0
Boron	ppm	182	244	252	135

Depot: RIPTAM
Unique No: 10976328
Signed: Wes Davis
Report Date: 12 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

