



CONSTRUCTION EQUIPMENT

687753 VOLVO A40G 3525 13 - BOGIE/CENTER AXLE



Sample No: VCP437882
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 687753



SAMPLE INFORMATION

Sample Number	VCP437882	VCP411981	VCP389380	VCP360254
Sample Date	14 Mar 2024	31 Jul 2023	26 Sep 2022	16 Mar 2022
Machine Hours	6161	5166	3603	2597
Oil Hours	2000	2000	500	1597
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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OIL CONDITION

Visc @ 40°C	cSt	265	82.2	74.3	51.9
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CONTAMINATION

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

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	46	53	47	213
Copper	ppm	2	3	<1	3
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	1	<1
Chromium	ppm	<1	<1	<1	3
Molybdenum	ppm	4	<1	<1	3
Nickel	ppm	<1	<1	0	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	2	2	14
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	387	90	13	53
Magnesium	ppm	15	4	<1	2
Zinc	ppm	199	55	18	27
Phosphorus	ppm	1235	1892	1952	2599
Barium	ppm	0	1	0	0
Boron	ppm	190	256	253	215

Depot: RIPTAM
Unique No: 10976332
Signed: Don Baldrige
Report Date: 15 Apr 2024



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VOLVO GRAPHS

