



CONSTRUCTION EQUIPMENT

580566 VOLVO A30G 752343 - BOGIE/CENTER AXLE



Sample No: VCP422483
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 580566



SAMPLE INFORMATION

Sample Number	VCP422483	VCP379666	VCP376710	VCP330269
Sample Date	21 Jul 2023	26 Jan 2023	05 Aug 2022	09 Mar 2022
Machine Hours	3990	3025	2078	1178
Oil Hours	3490	1500	1500	1178
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rturner@ripatampa.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	92.2	83.8	88.5	92.9
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	7	6	7	7
Sodium	ppm	0	2	2	<1
Potassium	ppm	3	2	2	2



WEAR METALS

Iron	ppm	341	296	402	448
Copper	ppm	72	84	64	44
Lead	ppm	<1	0	0	0
Tin	ppm	4	4	3	2
Aluminum	ppm	1	<1	1	<1
Chromium	ppm	5	5	7	8
Molybdenum	ppm	7	11	9	9
Nickel	ppm	4	3	6	4
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	12	10	12	13
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	609	874	664	643
Magnesium	ppm	5	6	5	4
Zinc	ppm	274	368	297	253
Phosphorus	ppm	1319	1256	1351	1347
Barium	ppm	5	3	2	0
Boron	ppm	255	195	249	228

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.

Depot: RIPTAM
Unique No: 10602438
Signed: Sean Felton
Report Date: 14 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

