



CONSTRUCTION EQUIPMENT

580566 VOLVO A30G 752343 - FRONT AXLE



Sample No: VCP422461
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 580566



SAMPLE INFORMATION

Sample Number	VCP422461	VCP379667	VCP376713	VCP332859
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	ABNORMAL	NORMAL

RIPA AND ASSOCIATES

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

Visc @ 40°C	cSt	81.4	85.3	93.3	86.1
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CONTAMINATION

Silicon	ppm	7	5	4	4
Sodium	ppm	1	1	1	<1
Potassium	ppm	5	2	2	<1

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	393	191	251	265
Copper	ppm	116	79	61	45
Lead	ppm	<1	0	<1	<1
Tin	ppm	6	4	3	2
Aluminum	ppm	1	<1	1	<1
Chromium	ppm	6	3	4	5
Molybdenum	ppm	12	8	10	9
Nickel	ppm	5	2	3	1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	13	7	9	10
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1119	836	932	957
Magnesium	ppm	8	6	6	6
Zinc	ppm	497	357	410	376
Phosphorus	ppm	1625	1204	1345	1318
Barium	ppm	6	3	2	0
Boron	ppm	285	183	237	239

Depot: RIPTAM
Unique No: 10602440
Signed: Sean Felton
Report Date: 14 Aug 2023



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GRAPHS

