



CONSTRUCTION EQUIPMENT

593679 VOLVO A30G 742129 - REAR AXLE



Sample No: VCP417609
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593679



SAMPLE INFORMATION

Sample Number	VCP417609	VCP400132	VCP360663	VCP291288
Sample Date	12 Aug 2023	21 Dec 2022	11 Apr 2022	22 Oct 2020
Machine Hours	9111	8052	7176	5286
Oil Hours	1000	2000	1000	1000
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	298	249	250	55.8
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CONTAMINATION

Silicon	ppm	5	43	5	6
Sodium	ppm	<1	1	<1	5
Potassium	ppm	1	1	0	0



WEAR METALS

Iron	ppm	171	505	380	709
Copper	ppm	2	7	5	22
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	0	4	<1	<1
Chromium	ppm	3	8	7	13
Molybdenum	ppm	1	4	4	8
Nickel	ppm	<1	5	4	7
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	6	5	19
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	121	68	54	45
Magnesium	ppm	15	18	17	<1
Zinc	ppm	71	60	46	11
Phosphorus	ppm	1070	1046	1010	1418
Barium	ppm	0	0	0	0
Boron	ppm	178	179	199	176

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: 10642016
Signed: Wes Davis
Report Date: 11 Sep 2023



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GRAPHS

