



CONSTRUCTION EQUIPMENT

593927 VOLVO A30G 752151 - REAR AXLE



Sample No: VCP417330
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593927



SAMPLE INFORMATION

Sample Number	VCP417330	VCP397427	VCP332908	VCP326569
Sample Date	14 Aug 2023	16 Jan 2023	15 Mar 2022	15 Sep 2021
Machine Hours	5197	4145	2275	1165
Oil Hours	1197	3500	1500	1500
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	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	290	198	54.4	56.8
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CONTAMINATION

Silicon	ppm	2	3	6	4
Sodium	ppm	0	<1	<1	2
Potassium	ppm	2	0	5	3



WEAR METALS

Iron	ppm	58	142	289	199
Copper	ppm	12	45	115	50
Lead	ppm	0	0	0	0
Tin	ppm	<1	2	6	2
Aluminum	ppm	0	0	1	<1
Chromium	ppm	<1	2	6	4
Molybdenum	ppm	<1	3	9	7
Nickel	ppm	0	1	2	2
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	4	15	13
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	106	176	753	729
Magnesium	ppm	8	6	2	1
Zinc	ppm	66	109	327	300
Phosphorus	ppm	1086	1039	1475	1391
Barium	ppm	0	0	0	<1
Boron	ppm	179	181	160	206

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: 10642023
Signed: Wes Davis
Report Date: 11 Sep 2023



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GRAPHS

