



CONSTRUCTION EQUIPMENT

729036 VOLVO A40G 342177 - BOGIE/CENTER AXLE



Sample No: VCP443569
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 729036



SAMPLE INFORMATION

Sample Number	VCP443569	VCP424430	VCP386062	VCP331630
Sample Date	06 Jun 2024	29 Jun 2023	12 Sep 2022	02 Mar 2022
Machine Hours	11658	10619	9334	8227
Oil Hours	3000	2000	500	1500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	297	308	317	273
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	3	3
Sodium	ppm	0	0	0	0
Potassium	ppm	1	0	<1	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	78	59	30	49
Copper	ppm	<1	0	0	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	2	2	1	7
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	44	87	36	78
Magnesium	ppm	8	8	5	21
Zinc	ppm	55	70	37	66
Phosphorus	ppm	925	1087	985	1015
Barium	ppm	0	0	0	0
Boron	ppm	187	219	178	178

Depot: RIPTAM
Unique No: 11127042
Signed: Wes Davis
Report Date: 17 Jul 2024



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GRAPHS

