



CONSTRUCTION EQUIPMENT

715594 VOLVO A40G 352851 - BOGIE/CENTER AXLE



Sample No: VCP451167
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 715594



SAMPLE INFORMATION

Sample Number	VCP451167	VCP423724	VCP420258	VCP385551
Sample Date	31 May 2024	06 Nov 2023	12 Apr 2023	07 Oct 2022
Machine Hours	5237	4099	3090	2036
Oil Hours	1037	3000	309	1500
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	ATTENTION	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	228	56.6	56.4	56.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	6	2	3
Sodium	ppm	0	2	1	0
Potassium	ppm	2	3	1	2

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	54	149	131	123
Copper	ppm	5	2	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	<1	<1	1
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	1	1	1	1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	5	4	4
Vanadium	ppm	0	<1	0	<1

ADDITIVES

Calcium	ppm	133	39	17	12
Magnesium	ppm	12	<1	1	2
Zinc	ppm	78	20	13	11
Phosphorus	ppm	1154	2242	2350	2320
Barium	ppm	0	0	0	0
Boron	ppm	151	202	289	274

Depot: RIPTAM
Unique No: 11127024
Signed: Wes Davis
Report Date: 17 Jul 2024



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GRAPHS

