



CONSTRUCTION EQUIPMENT

633079 VOLVO A40G 341352 - BOGIE/CENTER AXLE



Sample No: VCP429927
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 633079



SAMPLE INFORMATION

Sample Number	VCP429927	VCP406332	VCP315100	VCP293108
Sample Date	08 Nov 2023	01 Feb 2023	29 Apr 2021	07 Oct 2020
Machine Hours	8415	7996	5966	5154
Oil Hours	4000	0	800	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	269	277	273	148
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	3	1	3
Sodium	ppm	2	<1	1	<1
Potassium	ppm	1	0	0	9

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	50	70	14	24
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	5	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	5	4	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	194	131	174	551
Magnesium	ppm	27	29	28	3
Zinc	ppm	99	80	95	224
Phosphorus	ppm	976	945	921	1011
Barium	ppm	0	0	0	0
Boron	ppm	159	169	156	131

Depot: VOLVO0093
Unique No: 10765300
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

