



CONSTRUCTION EQUIPMENT

633079 VOLVO A40G 341352 - REAR AXLE



Sample No: VCP433432
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 633079



SAMPLE INFORMATION

Sample Number	VCP433432	VCP406398	VCP313189	VCP292543
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 Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	278	269	277	150
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CONTAMINATION

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

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	72	58	11	16
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	0	2	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	5	4	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	1	1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	131	153	145	688
Magnesium	ppm	27	28	29	3
Zinc	ppm	75	91	78	265
Phosphorus	ppm	972	993	946	992
Barium	ppm	0	0	0	0
Boron	ppm	175	174	170	132

Depot: VOLVO0093
Unique No: 10765266
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

