



CONSTRUCTION EQUIPMENT

633079 VOLVO A40G 341352 - FRONT AXLE



Sample No: VCP433369
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 633079



SAMPLE INFORMATION

Sample Number	VCP433369	VCP406335	VCP313190	VCP293109
Sample Date	08 Nov 2023	01 Feb 2023	29 Apr 2021	07 Oct 2020
Machine Hours	8415	7996	5966	5835
Oil Hours	4000	0	800	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	SEVERE

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OIL CONDITION

Visc @ 40°C	cSt	197	202	270.3	43.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	13	17
Sodium	ppm	2	<1	7	5
Potassium	ppm	<1	0	<1	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	37	40	16	29
Copper	ppm	<1	<1	97	367
Lead	ppm	0	0	<1	2
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	5	<1	<1
Nickel	ppm	0	0	2	6
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	198	165	3487	3846
Magnesium	ppm	25	28	16	7
Zinc	ppm	105	103	1443	1519
Phosphorus	ppm	873	882	1159	1336
Barium	ppm	0	0	0	0
Boron	ppm	143	151	104	101

Depot: VOLVO0093
Unique No: 10765254
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

