



CONSTRUCTION EQUIPMENT

661347 VOLVO A40G 352381 - FRONT AXLE



Sample No: VCP437967
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 661347



SAMPLE INFORMATION

Sample Number	VCP437967	VCP399693	VCP376922	VCP377409
Sample Date	07 Feb 2024	02 Mar 2023	15 Sep 2022	17 May 2022
Machine Hours	7523	5782	4951	4316
Oil Hours	0	0	0	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	303	304	304	282
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	2	2
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	0	<1	0	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	71	56	45	61
Copper	ppm	2	2	<1	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	4	4	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	2	2	1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	90	58	54	51
Magnesium	ppm	19	16	16	5
Zinc	ppm	50	32	42	44
Phosphorus	ppm	991	848	919	1082
Barium	ppm	0	0	0	0
Boron	ppm	181	158	158	154

Depot: VOLVO0096
Unique No: 10873865
Signed: Wes Davis
Report Date: 13 Feb 2024



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GRAPHS

