



CONSTRUCTION EQUIPMENT

661201 BCSW VOLVO A40G 342555 - REAR AXLE



Sample No: VCP439113
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 661201 BCSW



SAMPLE INFORMATION

Sample Number	VCP439113	VCP421300	VCP349436	VCP317555
Sample Date	02 Feb 2024	21 Apr 2023	07 Jun 2022	16 Jul 2021
Machine Hours	11136	9562	7678	6086
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	273	287	293	299
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	3	2
Sodium	ppm	4	0	0	0
Potassium	ppm	2	2	2	<1

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	78	79	64	34
Copper	ppm	9	6	3	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	0
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	2	4	4	4
Nickel	ppm	2	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	3	2	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	245	214	145	149
Magnesium	ppm	30	29	27	28
Zinc	ppm	142	117	85	75
Phosphorus	ppm	1028	992	887	943
Barium	ppm	0	0	2	0
Boron	ppm	174	169	185	226

Depot: VOLVO0096
Unique No: 10871815
Signed: Wes Davis
Report Date: 09 Feb 2024



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VOLVO GRAPHS

