



CONSTRUCTION EQUIPMENT

659961 APTIM VOLVO A35G 340070 - FRONT AXLE



Sample No: VCP442574
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 659961 APTIM



SAMPLE INFORMATION

Sample Number	VCP442574	VCP417309	VCP420407	VCP386643
Sample Date	12 Jan 2024	26 Jun 2023	19 Apr 2023	08 Nov 2022
Machine Hours	9239	8469	7985	6869
Oil Hours	1000	4000	2000	2000
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	348	61.0	60.5	60.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	7	9	9
Sodium	ppm	0	3	4	3
Potassium	ppm	1	<1	5	<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	38	336	385	388
Copper	ppm	<1	5	6	5
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	3	3	3
Chromium	ppm	<1	4	5	5
Molybdenum	ppm	3	12	12	14
Nickel	ppm	0	<1	2	2
Titanium	ppm	1	8	9	11
Silver	ppm	0	0	0	0
Manganese	ppm	<1	25	25	26
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	56	95	96	56
Magnesium	ppm	14	1	4	<1
Zinc	ppm	14	44	35	9
Phosphorus	ppm	996	1459	1476	1338
Barium	ppm	10	0	0	0
Boron	ppm	180	168	173	169

Depot: VOLVO0093
Unique No: 10886639
Signed: Wes Davis
Report Date: 21 Feb 2024



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GRAPHS

