



CONSTRUCTION EQUIPMENT

VOLVO A40G 342 I 12 - FRONT AXLE



Sample No: VCP0007899
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007899	VCP0007900	VCP0006346	VCP290061
Sample Date	29 Mar 2024	29 Mar 2024	07 Feb 2023	30 Oct 2020
Machine Hours	7550	7550	7550	4895
Oil Hours	7550	7550	0	0
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	239	149	235	238
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	8	6	5
Sodium	ppm	1	<1	0	0
Potassium	ppm	0	0	0	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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	1016	364	406	467
Copper	ppm	3	0	2	2
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	<1	1	<1
Chromium	ppm	16	<1	7	8
Molybdenum	ppm	28	0	22	22
Nickel	ppm	2	<1	1	1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	19	4	9	9
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	147	8	133	144
Magnesium	ppm	31	0	32	29
Zinc	ppm	76	18	64	73
Phosphorus	ppm	1127	1482	879	848
Barium	ppm	0	0	0	0
Boron	ppm	202	41	174	164

Depot: VOLVO0092
Unique No: 10962597
Signed: Sean Felton
Report Date: 05 Apr 2024



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GRAPHS

