



CONSTRUCTION EQUIPMENT

VOLVO A40G 342 I 12 - FRONT AXLE



Sample No: VCP0007900

Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007900	VCP0006346	VCP290061	VCP259542
Sample Date	29 Mar 2024	07 Feb 2023	30 Oct 2020	02 Dec 2019
Machine Hours	7550	7550	4895	3705
Oil Hours	7550	0	0	0
Oil Changed	N/A	N/A	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
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OIL CONDITION

Visc @ 40°C	cSt	149	235	238	51.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	6	5	5
Sodium	ppm	<1	0	0	2
Potassium	ppm	0	0	0	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	364	406	467	359
Copper	ppm	0	2	2	4
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	1	<1	1
Chromium	ppm	<1	7	8	4
Molybdenum	ppm	0	22	22	1
Nickel	ppm	<1	1	1	1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	9	9	9
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	133	144	46
Magnesium	ppm	0	32	29	<1
Zinc	ppm	18	64	73	31
Phosphorus	ppm	1482	879	848	1995
Barium	ppm	0	0	0	0
Boron	ppm	41	174	164	133

Depot: VOLVO0092
Unique No: 10962593
Signed: Sean Felton
Report Date: 05 Apr 2024



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GRAPHS

