



CONSTRUCTION EQUIPMENT

567435 APTIM VOLVO A35G 340070 - BOGIE/CENTER AXLE



Sample No: VCP422887
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 567435 APTIM



SAMPLE INFORMATION

Sample Number	VCP422887	VCP410383	VCP420208	VCP386156
Sample Date	26 Jun 2023	19 Apr 2023	19 Apr 2023	08 Nov 2022
Machine Hours	8469	7985	7977	6869
Oil Hours	4000	2000	2000	2000
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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 US 33619
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OIL CONDITION

Visc @ 40°C	cSt	▲ 61.4	▲ 61.7	▲ 118	▲ 61.5
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CONTAMINATION

Silicon	ppm	■ 10	■ 12	■ 6	■ 11
Sodium	ppm	■ 3	■ 2	■ <1	■ 3
Potassium	ppm	■ 2	■ 4	■ 3	■ 1



WEAR METALS

Iron	ppm	■ 276	■ 335	■ 128	■ 247
Copper	ppm	■ 5	■ 4	■ 7	■ 5
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ 0	■ 0	■ <1	■ 0
Aluminum	ppm	■ 5	■ 5	■ 2	■ 4
Chromium	ppm	■ 4	■ 5	■ 2	■ 4
Molybdenum	ppm	■ 11	■ 13	■ 6	■ 11
Nickel	ppm	■ 1	■ 2	■ <1	■ 1
Titanium	ppm	5	6	<1	5
Silver	ppm	0	0	0	0
Manganese	ppm	■ 21	■ 21	■ 2	■ 19
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	■ 77	■ 107	■ 165	■ 74
Magnesium	ppm	■ 1	■ 5	■ 27	■ 1
Zinc	ppm	■ 27	39	■ 104	17
Phosphorus	ppm	■ 1475	■ 1337	■ 1033	■ 1312
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 183	■ 170	■ 185	■ 175

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0093
Unique No: 10573592
Signed: Don Baldrige
Report Date: 27 Jul 2023



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GRAPHS

