



CONSTRUCTION EQUIPMENT

W010713610 STANLEY VOLVO A35G 342028 - BOGIE/CENTER AXLE



Sample No: VCP409417
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: W010713610 STANLEY



SAMPLE INFORMATION

Sample Number	VCP409417	VCP389102	VCP273309	VCP216390
Sample Date	03 Dec 2023	27 Oct 2022	03 Sep 2020	03 Jan 2018
Machine Hours	8454	7328	3965	293
Oil Hours	0	800	0	293
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ATTENTION	ATTENTION	NORMAL	ATTENTION

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	▲ 52.3	▲ 48.8	■ 52.1	▲ 52.54
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 2	■ 22	■ 7	■ 2
Sodium	ppm	■ <1	■ 3	■ 4	■ 3
Potassium	ppm	■ <1	■ 3	■ 0	■ <1



WEAR METALS

Iron	ppm	■ 19	■ 348	■ 328	■ 244
Copper	ppm	■ 2	■ 4	■ 2	■ <1
Lead	ppm	■ 0	■ 0	■ <1	■ 0
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 2	■ 6	■ 1	■ <1
Chromium	ppm	■ <1	■ 4	■ 4	■ 4
Molybdenum	ppm	■ <1	■ 3	■ 4	■ 9
Nickel	ppm	■ <1	■ 0	■ 2	■ <1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	■ <1	■ 9	■ 8	■ 13
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	▲ 10	■ 27	■ 23	■ 29
Magnesium	ppm	■ 2	■ 4	■ 2	■ 0
Zinc	ppm	▲ 5	■ 28	■ 12	■ 8
Phosphorus	ppm	▲ 2248	■ 2322	■ 2424	■ 2267
Barium	ppm	■ 2	■ 2	■ 0	■ 0
Boron	ppm	▲ 314	■ 176	■ 252	■ 241

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. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO8882
Unique No: 10768670
Signed: Don Baldrige
Report Date: 06 Dec 2023



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GRAPHS

