



CONSTRUCTION EQUIPMENT

W07013320-1 STANLEY VOLVO A45G 342201 - DROP BOX



Sample No: VCP434796
Oil Type: GEAR OIL SAE 75W80
Job No: W07013320-1 STANLEY



SAMPLE INFORMATION

Sample Number	VCP434796	VCP399444	VCP344962	VCP246422
Sample Date	24 Aug 2023	03 May 2023	20 Jun 2022	24 Feb 2022
Machine Hours	9033	8572	6812	6300
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Not Changd	Not Changd
Sample Status	ATTENTION	ABNORMAL	NORMAL	NORMAL

McClung-Logan Virginia LLC- 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	▲ 254.6	■ 51.8	■ 51.2	■ 53.0
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CONTAMINATION

Silicon	ppm	■ 7	■ 20	■ 15	■ 11
Sodium	ppm	■ 2	■ 6	■ 5	■ 3
Potassium	ppm	■ <1	■ 3	■ <1	■ 1



WEAR METALS

Iron	ppm	■ 122	▲ 768	■ 319	■ 210
Copper	ppm	■ <1	■ 4	■ 3	■ 2
Lead	ppm	■ 0	■ <1	■ <1	■ 0
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 4	■ 6	■ 6	■ 6
Chromium	ppm	■ 1	■ 9	■ 4	■ 2
Molybdenum	ppm	■ 4	■ 26	■ 16	■ 9
Nickel	ppm	■ 0	■ 4	■ 2	■ 1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 2	■ 11	■ 5	■ 4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 15	■ 30	■ 16	■ 10
Magnesium	ppm	■ 1	■ 4	■ 2	■ 0
Zinc	ppm	■ 55	■ 231	■ 194	■ 158
Phosphorus	ppm	■ 1228	■ 2257	■ 2303	■ 1952
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 149	■ 169	■ 151	■ 141

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 higher than normal. Confirm oil type.

Depot: VOLVO8882
Unique No: 10629955
Signed: Doug Bogart
Report Date: 21 Sep 2023



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GRAPHS

