



CONSTRUCTION EQUIPMENT

133900 VOLVO A25G 740046 - DROP BOX



Sample No: VCP410086
Oil Type: GEAR OIL SAE 80W90
Job No: 133900



SAMPLE INFORMATION

Sample Number	VCP410086	VCP371701	VCP314066	VCP322664
Sample Date	01 Aug 2023	17 Nov 2022	27 May 2022	28 May 2021
Machine Hours	9169	8779	8446	7406
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

FCS CONSTRUCTION LLC
 PO BOX 190829
 DALLAS, TX
 US 75219
 Contact: SHANE WHITEWOOD
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 58.1	■ 149	■ 134	■ 143
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CONTAMINATION

Silicon	ppm	■ 3	■ 2	■ 3	■ 11
Sodium	ppm	■ 0	■ 0	■ <1	■ <1
Potassium	ppm	■ 1	■ <1	■ 0	■ 2



WEAR METALS

Iron	ppm	■ 12	■ 8	■ 14	■ 27
Copper	ppm	■ 2	■ 0	■ 0	■ <1
Lead	ppm	■ 0	■ 0	■ 0	■ <1
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 2	■ 0	■ 2	■ 6
Chromium	ppm	■ 0	■ 0	■ 0	■ <1
Molybdenum	ppm	■ 1	■ <1	■ 1	■ 5
Nickel	ppm	■ 0	■ 0	■ 0	■ <1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	■ 0	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 299	■ 36	■ 85	■ 160
Magnesium	ppm	■ 3	■ 2	■ 1	■ 9
Zinc	ppm	■ 529	■ 17	■ 42	■ 59
Phosphorus	ppm	■ 649	■ 1037	■ 970	■ 927
Barium	ppm	■ 2	■ 0	■ 0	■ 0
Boron	ppm	■ 49	■ 172	■ 209	■ 245

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 oil viscosity is lower than normal. Confirm oil type.

Depot: FCS DAL
Unique No: 10603755
Signed: Don Baldrige
Report Date: 15 Aug 2023



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GRAPHS

