



CONSTRUCTION EQUIPMENT

SWO-066610 VOLVO A60H 340099 - DROP BOX



Sample No: VCP431980
Oil Type: GEAR OIL SAE 75W90
Job No: SWO-066610



SAMPLE INFORMATION

Sample Number	VCP431980	VCP369462	VCP405237	VCP383703
Sample Date	11 Oct 2023	18 Jul 2023	27 Mar 2023	14 Oct 2022
Machine Hours	7982	7491	7019	6595
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	284	291	▲ 309	■ 90.1
-------------	-----	------------	-----	-------	--------



CONTAMINATION

Silicon	ppm	■ 14	■ 13	■ 17	■ 12
Sodium	ppm	■ 6	■ 4	■ 8	■ 2
Potassium	ppm	■ 0	■ 0	■ <1	■ 0



WEAR METALS

Iron	ppm	■ 24	■ 19	■ 51	■ 119
Copper	ppm	■ 3	■ 1	■ 3	■ 3
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ 0	■ 0	■ 0	■ 15
Chromium	ppm	■ 0	■ 0	■ <1	■ 1
Molybdenum	ppm	■ 5	■ 6	■ 8	■ <1
Nickel	ppm	■ 0	■ 0	■ 0	■ 0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 1	■ <1	■ 2	■ 3
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	■ 87	■ 100	■ 68	■ 19
Magnesium	ppm	■ 41	■ 33	■ 6	■ 0
Zinc	ppm	■ 60	■ 75	■ 48	■ 87
Phosphorus	ppm	■ 963	■ 1085	■ 993	■ 913
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 136	■ 169	■ 158	■ 107

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

Depot: SAIBIR
Unique No: 10698759
Signed: Sean Felton
Report Date: 19 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

