



CONSTRUCTION EQUIPMENT

SWO-072403 VOLVO A60H 340044 - FRONT AXLE



Sample No: VCP439807
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-072403



SAMPLE INFORMATION

Sample Number	VCP439807	VCP441317	VCP414067	VCP410144
Sample Date	31 May 2024	01 Feb 2024	04 Aug 2023	11 May 2023
Machine Hours	9784	9302	8791	8303
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	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	309	307	309	308



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	4	3	4
Sodium	ppm	<1	0	0	0
Potassium	ppm	0	1	1	<1

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	32	29	17	11
Copper	ppm	0	0	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	2	0	0
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	2	2	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	72	86	61	57
Magnesium	ppm	35	34	31	28
Zinc	ppm	74	61	66	63
Phosphorus	ppm	1131	868	1035	979
Barium	ppm	0	5	2	0
Boron	ppm	194	176	200	180

Depot: SAIBIR
Unique No: 11071125
Signed: Jonathan Hester
Report Date: 12 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

