



CONSTRUCTION EQUIPMENT

SWO-072403 VOLVO A60H 340044 - FRONT LEFT FINAL DRIVE



Sample No: VCP439802
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-072403



SAMPLE INFORMATION

Sample Number	VCP439802	VCP446182	VCP414081	VCP410190
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	N/A
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	307	309	308	311



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	6	3	3
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	31	31	16	14
Copper	ppm	0	<1	<1	0
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	0	1	0	<1
Molybdenum	ppm	2	4	2	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	72	69	61	56
Magnesium	ppm	36	38	31	28
Zinc	ppm	74	57	65	62
Phosphorus	ppm	1138	1070	1029	986
Barium	ppm	0	0	2	0
Boron	ppm	195	197	198	182

Depot: SAIBIR
Unique No: 11071129
Signed: Jonathan Hester
Report Date: 12 Jun 2024



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GRAPHS

