



CONSTRUCTION EQUIPMENT

SWO-071204 VOLVO A40G 340716 - REAR AXLE



Sample No: VCP449762
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-071204



SAMPLE INFORMATION

Sample Number	VCP449762	VCP405827	VCP402198	VCP366093
Sample Date	18 Apr 2024	30 Aug 2023	26 Apr 2023	23 Nov 2022
Machine Hours	9946	8929	8381	7881
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Changed
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	311	312	252
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	3	3	2
Sodium	ppm	0	<1	0	0
Potassium	ppm	0	<1	<1	0

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	18	11	7	8
Copper	ppm	1	0	<1	9
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	2	2	3	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	128	142	130	196
Magnesium	ppm	26	34	27	18
Zinc	ppm	71	86	85	110
Phosphorus	ppm	840	1085	1008	884
Barium	ppm	0	0	0	0
Boron	ppm	164	210	192	156

Depot: SAIBIR
Unique No: 10991816
Signed: Don Baldrige
Report Date: 24 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

