



CONSTRUCTION EQUIPMENT

SWO-072401 - FRONT AXLE



Sample No: VCP440080
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-072401



SAMPLE INFORMATION

Sample Number	VCP440080	VCP452422	VCP431083	VCP417781
Sample Date	31 May 2024	04 Mar 2024	03 Nov 2023	11 Jul 2023
Machine Hours	10125	9648	9145	8645
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	269	258	249	220
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	9	7	6
Sodium	ppm	0	2	0	<1
Potassium	ppm	0	0	0	<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	7	43	27	33
Copper	ppm	0	<1	0	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	7	6	4	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	168	66	72	39
Magnesium	ppm	39	19	22	28
Zinc	ppm	118	51	59	59
Phosphorus	ppm	987	952	876	1314
Barium	ppm	0	1	<1	0
Boron	ppm	200	160	150	200

Depot: SAIBIR
Unique No: 11071143
Signed: Jonathan Hester
Report Date: 12 Jun 2024



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VOLVO GRAPHS

