



CONSTRUCTION EQUIPMENT

SWO-070857 VOLVO A45G 352704 - FRONT AXLE



Sample No: VCP445576
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-070857



SAMPLE INFORMATION

Sample Number	VCP445576	VCP431883	VCP389301	VCP383499
Sample Date	03 Apr 2024	06 Nov 2023	17 Jul 2023	27 Apr 2023
Machine Hours	5412	4902	4405	3920
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

Contact: STEPHANI BRITTON
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OIL CONDITION

Visc @ 40°C	cSt	297	297	296	49.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	4	5	3
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	2	<1	0	5



WEAR METALS

Iron	ppm	72	47	82	283
Copper	ppm	1	<1	<1	2
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	0	0	0
Chromium	ppm	2	<1	1	3
Molybdenum	ppm	3	1	3	4
Nickel	ppm	1	<1	0	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	2	2	9
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	89	77	80	96
Magnesium	ppm	22	21	19	2
Zinc	ppm	66	47	54	48
Phosphorus	ppm	1165	1059	1067	2328
Barium	ppm	<1	0	0	0
Boron	ppm	191	191	207	235

Diagnosis

No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Confirm oil type.

Depot: SAIBIR
Unique No: 10968205
Signed: Jonathan Hester
Report Date: 12 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

