



CONSTRUCTION EQUIPMENT

SWO-066004 VOLVO A45G 352769 - FRONT AXLE



Sample No: VCP431100
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-066004



SAMPLE INFORMATION

Sample Number	VCP431100	VCP416637	VCP401135	VCP388133
Sample Date	20 Sep 2023	21 Jun 2023	02 Mar 2023	05 Dec 2022
Machine Hours	4400	3875	3355	2886
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
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OIL CONDITION

Visc @ 40°C	cSt	308	153	151	149
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CONTAMINATION

Silicon	ppm	5	6	4	6
Sodium	ppm	0	9	5	7
Potassium	ppm	1	5	6	3



WEAR METALS

Iron	ppm	10	202	192	178
Copper	ppm	<1	1	0	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	4	0	2
Chromium	ppm	<1	4	2	3
Molybdenum	ppm	3	6	5	6
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	9	6	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	165	2588	2752	2763
Magnesium	ppm	18	29	23	30
Zinc	ppm	96	1132	1148	1029
Phosphorus	ppm	1003	1033	1056	985
Barium	ppm	0	0	7	<1
Boron	ppm	169	45	40	44

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.

Depot: SAIBIR
Unique No: 10661346
Signed: Don Baldrige
Report Date: 26 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

