



CONSTRUCTION EQUIPMENT

SWO-066004 VOLVO A45G 352769 - BOGIE/CENTER AXLE



Sample No: VCP431107
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-066004



SAMPLE INFORMATION

Sample Number	VCP431107	VCP416540	VCP402396	VCP388359
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 Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
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OIL CONDITION

Visc @ 40°C	cSt	302	153	151	147
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CONTAMINATION

Silicon	ppm	5	10	6	10
Sodium	ppm	0	9	5	7
Potassium	ppm	<1	2	3	<1



WEAR METALS

Iron	ppm	18	252	232	199
Copper	ppm	<1	1	0	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	5	<1	5
Chromium	ppm	<1	4	2	4
Molybdenum	ppm	3	5	3	4
Nickel	ppm	0	<1	0	1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	8	6	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	160	2690	2699	2638
Magnesium	ppm	18	31	23	29
Zinc	ppm	97	1171	1131	980
Phosphorus	ppm	1006	1065	1052	945
Barium	ppm	0	0	6	<1
Boron	ppm	169	38	32	34

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: 10661348
Signed: Don Baldrige
Report Date: 26 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

