



CONSTRUCTION EQUIPMENT

SWO-064954 VOLVO A45G 342096 - BOGIE/CENTER AXLE



Sample No: VCP411890
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-064954



SAMPLE INFORMATION

Sample Number	VCP411890	VCP404585	VCP393437	VCP373748
Sample Date	22 Aug 2023	08 May 2023	16 Dec 2022	23 Aug 2022
Machine Hours	9107	8608	8113	7528
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	288	289	49.6	50.0
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CONTAMINATION

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



WEAR METALS

Iron	ppm	37	31	39	16
Copper	ppm	0	0	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	3	<1	3	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	2	<1	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	90	80	122	136
Magnesium	ppm	22	22	<1	1
Zinc	ppm	60	51	14	34
Phosphorus	ppm	1102	1084	2094	2201
Barium	ppm	0	0	0	<1
Boron	ppm	200	156	226	255

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10622842
Signed: Don Baldrige
Report Date: 30 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

