



CONSTRUCTION EQUIPMENT

SWO-064954 VOLVO A45G 342096 - REAR AXLE



Sample No: VCP411887
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-064954



SAMPLE INFORMATION

Sample Number	VCP411887	VCP404583	VCP393429	VCP373838
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	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

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OIL CONDITION

Visc @ 40°C	cSt	275	280	50.4	51.8
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CONTAMINATION

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



WEAR METALS

Iron	ppm	18	15	20	11
Copper	ppm	0	<1	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	3	<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	113	103	137	130
Magnesium	ppm	26	26	0	1
Zinc	ppm	71	68	21	33
Phosphorus	ppm	1070	1069	2132	2213
Barium	ppm	0	0	0	<1
Boron	ppm	200	158	244	283

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: 10622843
Signed: Don Baldrige
Report Date: 30 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

