



CONSTRUCTION EQUIPMENT

SWO-064552 VOLVO A45G 352736 - FRONT AXLE



Sample No: VCP425075
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-064552



SAMPLE INFORMATION

Sample Number	VCP425075	VCP400726	VCP397714	VCP367373
Sample Date	01 Aug 2023	02 May 2023	07 Dec 2022	19 Sep 2022
Machine Hours	7719	3396	2918	2448
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	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	151	151	151	147
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CONTAMINATION

Silicon	ppm	10	11	10	11
Sodium	ppm	6	8	8	9
Potassium	ppm	6	5	6	5



WEAR METALS

Iron	ppm	425	407	397	403
Copper	ppm	1	2	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	1	1	3
Chromium	ppm	7	7	6	7
Molybdenum	ppm	13	12	11	12
Nickel	ppm	2	<1	<1	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	13	12	11	11
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	2754	2643	2728	2817
Magnesium	ppm	26	30	24	27
Zinc	ppm	1172	1171	1171	1176
Phosphorus	ppm	1116	1087	1092	1084
Barium	ppm	3	4	<1	2
Boron	ppm	73	48	50	49

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: 10588366
Signed: Jonathan Hester
Report Date: 07 Aug 2023



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GRAPHS

