



CONSTRUCTION EQUIPMENT

VOLVO A45G 352071 - FRONT AXLE



Sample No: VCP413256
Oil Type: GEAR OIL SAE 90W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP413256	VCP412968	VCP382586	VCP403246
Sample Date	12 Jul 2023	11 Jul 2023	12 Apr 2023	09 Dec 2022
Machine Hours	6523	8493	6049	5545
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	316	314	313	315
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CONTAMINATION

Silicon	ppm	4	6	8	3
Sodium	ppm	0	0	<1	0
Potassium	ppm	0	0	<1	0



WEAR METALS

Iron	ppm	236	24	258	178
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	4	<1	4	3
Molybdenum	ppm	4	3	5	3
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	6	<1	6	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	46	57	39	35
Magnesium	ppm	8	26	12	7
Zinc	ppm	18	51	20	25
Phosphorus	ppm	1157	1141	1078	1009
Barium	ppm	0	0	0	0
Boron	ppm	232	233	200	199

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: 10574635
Signed: Sean Felton
Report Date: 28 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

