



CONSTRUCTION EQUIPMENT

VOLVO A45G 352071 - FRONT AXLE



Sample No: VCP412968
Oil Type: GEAR OIL SAE 90W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP412968	VCP382586	VCP403246	VCP364228
Sample Date	11 Jul 2023	12 Apr 2023	09 Dec 2022	30 Aug 2022
Machine Hours	8493	6049	5545	4971
Oil Hours	0	0	0	0
Oil Changed	Not Changd	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	314	313	315	318
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CONTAMINATION

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



WEAR METALS

Iron	ppm	24	258	178	161
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	<1	4	3	2
Molybdenum	ppm	3	5	3	3
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	6	4	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	57	39	35	25
Magnesium	ppm	26	12	7	0
Zinc	ppm	51	20	25	15
Phosphorus	ppm	1141	1078	1009	921
Barium	ppm	0	0	0	0
Boron	ppm	233	200	199	204

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: 10574630
Signed: Sean Felton
Report Date: 28 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

