



CONSTRUCTION EQUIPMENT

VOLVO A45G 352071 - BOGIE/CENTER AXLE



Sample No: VCP413187
Oil Type: GEAR OIL SAE 90W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP413187	VCP382576	VCP402139	VCP364222
Sample Date	12 Jul 2023	12 Apr 2023	09 Dec 2022	30 Aug 2022
Machine Hours	6523	6049	5545	4971
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	321	320	307	318
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CONTAMINATION

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



WEAR METALS

Iron	ppm	177	196	118	106
Copper	ppm	1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	2	2	2	1
Molybdenum	ppm	6	6	4	4
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	4	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	79	47	38	28
Magnesium	ppm	6	9	6	0
Zinc	ppm	42	21	25	17
Phosphorus	ppm	1164	1091	941	928
Barium	ppm	0	0	0	0
Boron	ppm	235	216	191	207

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: 10574634
Signed: Sean Felton
Report Date: 28 Jul 2023



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GRAPHS

