



CONSTRUCTION EQUIPMENT

VOLVO A45G 352071 - REAR AXLE



Sample No: VCP413249
Oil Type: GEAR OIL SAE 90W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP413249	VCP382588	VCP402137	VCP364227
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

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OIL CONDITION

Visc @ 40°C	cSt	311	312	312	312
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CONTAMINATION

Silicon	ppm	4	5	3	3
Sodium	ppm	0	<1	0	0
Potassium	ppm	0	0	0	0

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.

WEAR METALS

Iron	ppm	297	309	205	193
Copper	ppm	0	1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	5	5	4	3
Molybdenum	ppm	8	8	6	5
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	8	8	5	5
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	63	97	76	45
Magnesium	ppm	10	15	8	2
Zinc	ppm	37	49	51	32
Phosphorus	ppm	1160	1039	941	932
Barium	ppm	0	0	0	0
Boron	ppm	229	201	183	201

Depot: SAIBIR
Unique No: 10574632
Signed: Sean Felton
Report Date: 28 Jul 2023



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GRAPHS

