



CONSTRUCTION EQUIPMENT

VOLVO A45G 352071 - REAR AXLE



Sample No: VCP454693
Oil Type: GEAR OIL SAE 90W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP454693	VCP431086	VCP416628	VCP413249
Sample Date	06 May 2024	29 Jan 2024	09 Oct 2023	12 Jul 2023
Machine Hours	8023	7545	7028	6523
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	147	148	147	311
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	4
Sodium	ppm	2	0	0	0
Potassium	ppm	2	<1	2	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	42	35	36	297
Copper	ppm	<1	<1	<1	0
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	2	2	<1
Chromium	ppm	<1	<1	<1	5
Molybdenum	ppm	3	3	3	8
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	<1	8
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	64	64	68	63
Magnesium	ppm	6	15	14	10
Zinc	ppm	63	51	54	37
Phosphorus	ppm	1096	1003	957	1160
Barium	ppm	0	0	0	0
Boron	ppm	145	118	123	229

Depot: SAIBIR
Unique No: 11036003
Signed: Sean Felton
Report Date: 22 May 2024



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GRAPHS

