



CONSTRUCTION EQUIPMENT

VOLVO A45G 352705 - REAR AXLE



Sample No: VCP431026
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP431026	VCP417947	VCP402780	VCP380532
Sample Date	14 Nov 2023	09 Aug 2023	14 Apr 2023	17 Jan 2023
Machine Hours	5454	4958	4480	3993
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	319	319	319	143
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	4	8
Sodium	ppm	0	0	0	8
Potassium	ppm	2	<1	0	2

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	24	23	23	304
Copper	ppm	<1	<1	0	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	0	<1	1
Chromium	ppm	<1	0	0	5
Molybdenum	ppm	1	1	1	7
Nickel	ppm	0	0	0	1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	1	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	125	145	134	2543
Magnesium	ppm	23	22	18	27
Zinc	ppm	90	102	81	1088
Phosphorus	ppm	1107	1064	1232	1005
Barium	ppm	0	2	0	0
Boron	ppm	196	194	232	37

Depot: SAIBIR
Unique No: 10754627
Signed: Jonathan Hester
Report Date: 27 Nov 2023



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GRAPHS

