



CONSTRUCTION EQUIPMENT

VOLVO A45G 352134 - REAR AXLE



Sample No: VCP431056
Oil Type: GEAR OIL SAE 80W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP431056	VCP431973	VCP425073	VCP414240
Sample Date	22 Nov 2023	26 Sep 2023	31 Jul 2023	31 May 2023
Machine Hours	8724	8228	7719	7234
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	279	303	302	300
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	4	3
Sodium	ppm	<1	<1	0	<1
Potassium	ppm	<1	0	<1	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	10	70	64	62
Copper	ppm	<1	1	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	0	1	1	<1
Molybdenum	ppm	7	2	2	2
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	140	65	69	88
Magnesium	ppm	44	44	43	42
Zinc	ppm	136	96	103	94
Phosphorus	ppm	863	1063	1065	1052
Barium	ppm	0	0	0	0
Boron	ppm	118	214	266	204

Depot: SAIBIR
Unique No: 10766327
Signed: Don Baldrige
Report Date: 04 Dec 2023



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GRAPHS

