



CONSTRUCTION EQUIPMENT

SWO-066002 VOLVO A45G 352134 - REAR AXLE



Sample No: VCP431973
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-066002



SAMPLE INFORMATION

Sample Number	VCP431973	VCP425073	VCP414240	VCP401935
Sample Date	26 Sep 2023	31 Jul 2023	31 May 2023	04 Apr 2023
Machine Hours	8228	7719	7234	6763
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	303	302	300	295
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CONTAMINATION

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



WEAR METALS

Iron	ppm	70	64	62	56
Copper	ppm	1	1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	<1	0
Chromium	ppm	1	1	<1	1
Molybdenum	ppm	2	2	2	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	65	69	88	52
Magnesium	ppm	44	43	42	41
Zinc	ppm	96	103	94	88
Phosphorus	ppm	1063	1065	1052	996
Barium	ppm	0	0	0	0
Boron	ppm	214	266	204	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: 10671440
Signed: Don Baldrige
Report Date: 01 Oct 2023



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GRAPHS

