



CONSTRUCTION EQUIPMENT

SWO-064552 VOLVO A45G 352134 - REAR AXLE



Sample No: VCP425073
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-064552



SAMPLE INFORMATION

Sample Number	VCP425073	VCP414240	VCP401935	VCP396792
Sample Date	31 Jul 2023	31 May 2023	04 Apr 2023	06 Feb 2023
Machine Hours	7719	7234	6763	6236
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	302	300	295	318
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CONTAMINATION

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



WEAR METALS

Iron	ppm	64	62	56	67
Copper	ppm	1	<1	<1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	1	<1	1	1
Molybdenum	ppm	2	2	2	2
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	69	88	52	84
Magnesium	ppm	43	42	41	12
Zinc	ppm	103	94	88	49
Phosphorus	ppm	1065	1052	996	891
Barium	ppm	0	0	0	0
Boron	ppm	266	204	207	124

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: 10588365
Signed: Jonathan Hester
Report Date: 07 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

