



CONSTRUCTION EQUIPMENT

SWO-069272 VOLVO A45G 352071 - REAR AXLE



Sample No: VCP431086
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-069272



SAMPLE INFORMATION

Sample Number	VCP431086	VCP416628	VCP413249	VCP382588
Sample Date	29 Jan 2024	09 Oct 2023	12 Jul 2023	12 Apr 2023
Machine Hours	7545	7028	6523	6049
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	148	147	311	312
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	4	5
Sodium	ppm	0	0	0	<1
Potassium	ppm	<1	2	0	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	35	36	297	309
Copper	ppm	<1	<1	0	1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	<1	0
Chromium	ppm	<1	<1	5	5
Molybdenum	ppm	3	3	8	8
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	<1	8	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	64	68	63	97
Magnesium	ppm	15	14	10	15
Zinc	ppm	51	54	37	49
Phosphorus	ppm	1003	957	1160	1039
Barium	ppm	0	0	0	0
Boron	ppm	118	123	229	201

Depot: SAIBIR
Unique No: 10859315
Signed: Don Baldrige
Report Date: 03 Feb 2024



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VOLVO GRAPHS

