



CONSTRUCTION EQUIPMENT

SWO-066386 VOLVO A45G 352565 - REAR AXLE



Sample No: VCP428930
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-066386



SAMPLE INFORMATION

Sample Number	VCP428930	VCP416722	VCP412953	VCP402201
Sample Date	03 Oct 2023	31 Jul 2023	31 May 2023	06 Apr 2023
Machine Hours	8080	7625	7148	6710
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	297	297	297	296
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CONTAMINATION

Silicon	ppm	4	4	3	2
Sodium	ppm	0	0	<1	0
Potassium	ppm	<1	<1	0	0



WEAR METALS

Iron	ppm	45	39	32	17
Copper	ppm	1	1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	2	2	1	1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	77	68	65	56
Magnesium	ppm	37	36	35	36
Zinc	ppm	100	91	75	73
Phosphorus	ppm	1068	1057	1037	981
Barium	ppm	0	0	0	0
Boron	ppm	181	252	192	192

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: 10682526
Signed: Doug Bogart
Report Date: 15 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

