



CONSTRUCTION EQUIPMENT

SWO-066386 VOLVO A45G 352565 - FRONT AXLE



Sample No: VCP428927
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-066386



SAMPLE INFORMATION

Sample Number	VCP428927	VCP416371	VCP412951	VCP402200
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	298	296	297	297
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CONTAMINATION

Silicon	ppm	4	3	2	2
Sodium	ppm	0	0	<1	0
Potassium	ppm	<1	<1	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	18	16	13	10
Copper	ppm	<1	0	0	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	<1	0	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	44	45	49	43
Magnesium	ppm	36	36	35	37
Zinc	ppm	84	81	70	67
Phosphorus	ppm	1048	1055	1051	962
Barium	ppm	0	0	0	0
Boron	ppm	177	250	189	186

Depot: SAIBIR
Unique No: 10682524
Signed: Doug Bogart
Report Date: 15 Oct 2023



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VOLVO GRAPHS

