



CONSTRUCTION EQUIPMENT

SWO-066002 VOLVO A45G 352134 - DROP BOX



Sample No: VCP431896
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-066002



SAMPLE INFORMATION

Sample Number	VCP431896	VCP416721	VCP401940	VCP406415
Sample Date	26 Sep 2023	31 Jul 2023	04 Apr 2023	06 Feb 2023
Machine Hours	8228	7719	6763	6236
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	324	319	312	323
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CONTAMINATION

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



WEAR METALS

Iron	ppm	236	208	132	233
Copper	ppm	1	2	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	7	5	4	6
Chromium	ppm	3	3	2	4
Molybdenum	ppm	5	6	4	6
Nickel	ppm	1	2	<1	2
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	86	72	58	100
Magnesium	ppm	35	33	32	23
Zinc	ppm	82	85	73	66
Phosphorus	ppm	1019	1024	985	861
Barium	ppm	0	0	0	0
Boron	ppm	174	124	183	159

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: 10671437
Signed: Don Baldrige
Report Date: 01 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

