



CONSTRUCTION EQUIPMENT

SWO-068706 VOLVO A45G 352134 - DROP BOX



Sample No: VCP435583
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-068706



SAMPLE INFORMATION

Sample Number	VCP435583	VCP431057	VCP431896	VCP416721
Sample Date	04 Jan 2024	22 Nov 2023	26 Sep 2023	31 Jul 2023
Machine Hours	8960	8724	8228	7719
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	290	288	324	319
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	3	4
Sodium	ppm	0	<1	<1	0
Potassium	ppm	2	<1	0	<1



WEAR METALS

Iron	ppm	336	178	236	208
Copper	ppm	2	1	1	2
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	7	5
Chromium	ppm	4	2	3	3
Molybdenum	ppm	11	7	5	6
Nickel	ppm	2	1	1	2
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	128	119	86	72
Magnesium	ppm	42	41	35	33
Zinc	ppm	124	119	82	85
Phosphorus	ppm	903	863	1019	1024
Barium	ppm	2	0	0	0
Boron	ppm	162	124	174	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: 10830999
Signed: Jonathan Hester
Report Date: 16 Jan 2024



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GRAPHS

