



# CONSTRUCTION EQUIPMENT

SWO-070936 VOLVO A45G 352708 - DROP BOX



**Sample No:** VCP436275  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-070936



## SAMPLE INFORMATION

Sample Number	VCP436275	VCP431075	VCP431108	VCP424605
Sample Date	04 Apr 2024	20 Nov 2023	11 Sep 2023	06 Jul 2023
Machine Hours	5405	4925	4418	3920
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	200	199	196.5	46.6
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	15	17	45
Sodium	ppm	2	2	2	8
Potassium	ppm	2	<1	0	5

## 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	82	83	76	243
Copper	ppm	5	4	3	15
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	0	<1	2
Chromium	ppm	2	0	<1	2
Molybdenum	ppm	10	8	9	11
Nickel	ppm	1	0	<1	2
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	7
Vanadium	ppm	<1	0	0	0



## ADDITIVES

Calcium	ppm	120	114	89	41
Magnesium	ppm	22	18	25	6
Zinc	ppm	102	94	85	146
Phosphorus	ppm	1353	1261	1448	2184
Barium	ppm	<1	0	0	0
Boron	ppm	154	149	186	105

**Depot:** SAIBIR  
**Unique No:** 10968203  
**Signed:** Jonathan Hester  
**Report Date:** 12 Apr 2024



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## VOLVO GRAPHS

