



CONSTRUCTION EQUIPMENT

VOLVO A45G 353298 - DROP BOX



Sample No: VCP409133
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP409133	VCP391377	VCP365372	---
Sample Date	05 Jul 2023	22 Mar 2023	03 Jan 2023	---
Machine Hours	1325	757	386	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---

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 BELLEVUE, IA
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 Contact: STEVE DUNN
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OIL CONDITION

Visc @ 40°C	cSt	▲ 48.1	■ 52.9	■ 49.4	---
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CONTAMINATION

Silicon	ppm	■ 30	■ 46	■ 40	---
Sodium	ppm	■ 2	■ 9	■ 10	---
Potassium	ppm	■ 3	■ 2	■ <1	---



WEAR METALS

Iron	ppm	■ 105	■ 115	■ 116	---
Copper	ppm	■ 6	■ 5	■ 5	---
Lead	ppm	■ <1	■ 0	■ <1	---
Tin	ppm	■ 0	■ 0	■ <1	---
Aluminum	ppm	■ 2	■ <1	■ <1	---
Chromium	ppm	■ <1	■ 1	■ 1	---
Molybdenum	ppm	■ 8	12	10	---
Nickel	ppm	■ <1	■ <1	■ 1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ <1	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 72	49	45	---
Magnesium	ppm	■ <1	1	2	---
Zinc	ppm	■ 173	70	44	---
Phosphorus	ppm	■ 1341	2295	2289	---
Barium	ppm	■ <1	0	0	---
Boron	ppm	■ 29	198	191	---

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.

Depot: DUNBEL
Unique No: 10702431
Signed: Don Baldrige
Report Date: 24 Oct 2023



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GRAPHS

