



CONSTRUCTION EQUIPMENT

VOLVO A45GFS 352516 - DROP BOX



Sample No: VCP409130
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP409130	VCP373577	VCP365369	---
Sample Date	05 Jul 2023	22 Mar 2023	03 Jan 2023	---
Machine Hours	3781	3222	2872	---
Oil Hours	500	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	---

DUNN CONSTRUCTION INC
 318 N 14TH ST
 BELLEVUE, IA
 US 52031
 Contact: STEVE DUNN
 DUNNCONSTRUCTINC@GMAIL.COM
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 106	■ 53.1	■ 47.5	---
-------------	-----	--------------	--------	--------	-----



CONTAMINATION

Silicon	ppm	■ 18	▲ 62	▲ 59	---
Sodium	ppm	■ 2	■ 9	■ 10	---
Potassium	ppm	■ 3	■ 3	■ 3	---



WEAR METALS

Iron	ppm	■ 72	■ 179	■ 196	---
Copper	ppm	■ 3	■ 8	■ 9	---
Lead	ppm	■ 0	■ 0	■ 0	---
Tin	ppm	■ 0	■ 0	■ <1	---
Aluminum	ppm	■ 2	■ <1	■ <1	---
Chromium	ppm	■ <1	■ 2	■ 2	---
Molybdenum	ppm	■ 6	9	10	---
Nickel	ppm	■ <1	■ <1	■ 1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 1	4	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 29	41	42	---
Magnesium	ppm	■ 2	7	6	---
Zinc	ppm	■ 35	141	124	---
Phosphorus	ppm	■ 1269	2121	2150	---
Barium	ppm	■ <1	0	0	---
Boron	ppm	■ 87	122	142	---

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: 10702411
Signed: Don Baldrige
Report Date: 24 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

