



CONSTRUCTION EQUIPMENT

VOLVO A45G 352505 - DROP BOX



Sample No: VCP409132
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP409132	VCP373583	VCP357254	---
Sample Date	05 Jul 2023	22 Mar 2023	03 Jan 2023	---
Machine Hours	3142	2624	0	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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	▲ 105	■ 52.1	■ 51.0	---
-------------	-----	--------------	--------	--------	-----



CONTAMINATION

Silicon	ppm	■ 18	■ 45	■ 42	---
Sodium	ppm	■ 1	■ 6	■ 7	---
Potassium	ppm	■ 2	■ <1	■ 0	---



WEAR METALS

Iron	ppm	■ 120	■ 250	■ 290	---
Copper	ppm	■ 3	■ 9	■ 9	---
Lead	ppm	■ 0	■ 0	■ <1	---
Tin	ppm	■ 0	■ 0	■ <1	---
Aluminum	ppm	■ 2	■ <1	■ <1	---
Chromium	ppm	■ 1	■ 2	■ 3	---
Molybdenum	ppm	■ 7	12	14	---
Nickel	ppm	■ <1	■ 2	■ 2	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 2	5	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 24	39	33	---
Magnesium	ppm	■ 3	7	7	---
Zinc	ppm	■ 35	128	97	---
Phosphorus	ppm	■ 1349	2081	2084	---
Barium	ppm	■ <1	0	0	---
Boron	ppm	■ 90	122	144	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: DUNBEL
Unique No: 10702419
Signed: Don Baldrige
Report Date: 23 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

