



CONSTRUCTION EQUIPMENT

VOLVO A45G 352505 - DROP BOX



Sample No: VCP365371
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP365371	VCP409132	VCP373583	VCP357254
Sample Date	18 Sep 2023	05 Jul 2023	22 Mar 2023	03 Jan 2023
Machine Hours	3611	3142	2624	0
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	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	▲ 106	▲ 105	■ 52.1	■ 51.0
-------------	-----	--------------	-------	--------	--------

CONTAMINATION

Silicon	ppm	■ 19	■ 18	■ 45	■ 42
Sodium	ppm	■ 1	■ 1	■ 6	■ 7
Potassium	ppm	■ 2	■ 2	■ <1	■ 0

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 oil viscosity is lower than normal. Confirm oil type.

WEAR METALS

Iron	ppm	■ 152	■ 120	■ 250	■ 290
Copper	ppm	■ 4	■ 3	■ 9	■ 9
Lead	ppm	■ <1	■ 0	■ 0	■ <1
Tin	ppm	■ 0	■ 0	■ 0	■ <1
Aluminum	ppm	■ 2	■ 2	■ <1	■ <1
Chromium	ppm	■ 2	■ 1	■ 2	■ 3
Molybdenum	ppm	■ 9	■ 7	12	14
Nickel	ppm	■ <1	■ <1	■ 2	■ 2
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 2	■ 2	5	5
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 91	■ 24	39	33
Magnesium	ppm	■ 3	■ 3	7	7
Zinc	ppm	■ 56	■ 35	128	97
Phosphorus	ppm	■ 1291	■ 1349	2081	2084
Barium	ppm	■ <1	■ <1	0	0
Boron	ppm	■ 77	■ 90	122	144

Depot: DUNBEL
Unique No: 10702415
Signed: Don Baldrige
Report Date: 24 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

