



CONSTRUCTION EQUIPMENT

VOLVO A45GFS 352524 - DROP BOX



Sample No: VCP395690
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP395690	VCP399776	VCP382708	VCP423361
Sample Date	14 May 2024	27 Feb 2024	21 Nov 2023	18 Sep 2023
Machine Hours	4634	4351	4090	3390
Oil Hours	0	0	100	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

DUNN CONSTRUCTION INC
 318 N 14TH ST
 BELLEVUE, IA
 US 52031
 Contact: STEVE DUNN
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	110	109	108	107
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	28	32	24	22
Sodium	ppm	3	3	3	2
Potassium	ppm	2	2	1	2

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	126	150	109	111
Copper	ppm	5	8	4	4
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	3	2	1	2
Chromium	ppm	2	3	2	2
Molybdenum	ppm	8	10	7	8
Nickel	ppm	1	1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	3	3	2	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	24	125	26	30
Magnesium	ppm	2	3	2	2
Zinc	ppm	39	70	16	30
Phosphorus	ppm	1376	1304	1280	1290
Barium	ppm	1	0	0	<1
Boron	ppm	61	81	68	71

Depot: DUNBEL
Unique No: 11097127
Signed: Wes Davis
Report Date: 25 Jun 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

