



CONSTRUCTION EQUIPMENT

VOLVO A45G 352022 - DROP BOX



Sample No: VCP398396
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP398396	VCP399774	VCP382703	VCP365370
Sample Date	14 May 2024	27 Feb 2024	21 Nov 2023	18 Sep 2023
Machine Hours	6666	6355	6163	5727
Oil Hours	0	0	1000	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

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	142	141	141	138
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	19	15	14
Sodium	ppm	0	0	0	0
Potassium	ppm	2	2	1	2

Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	98	140	73	76
Copper	ppm	4	4	3	3
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	3	2	1	2
Chromium	ppm	2	2	1	<1
Molybdenum	ppm	6	7	4	4
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	2	2	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	5	104	8	39
Magnesium	ppm	2	3	1	2
Zinc	ppm	18	50	0	21
Phosphorus	ppm	1296	1143	1135	1161
Barium	ppm	1	0	0	<1
Boron	ppm	101	114	65	57

Depot: DUNBEL
Unique No: 11097125
Signed: Sean Felton
Report Date: 26 Jun 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

