



CONSTRUCTION EQUIPMENT

VOLVO A45G 352736 - FRONT AXLE



Sample No: VCP450882
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP450882	VCP442556	VCP431951	VCP425075
Sample Date	06 Jun 2024	27 Feb 2024	25 Oct 2023	01 Aug 2023
Machine Hours	5397	4888	4412	7719
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	288	291	288	151
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	5	10
Sodium	ppm	0	1	0	6
Potassium	ppm	2	0	2	6

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. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	36	36	30	425
Copper	ppm	<1	0	<1	1
Lead	ppm	0	2	0	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	0	1	3
Chromium	ppm	<1	<1	<1	7
Molybdenum	ppm	20	19	21	13
Nickel	ppm	0	0	<1	2
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	13
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	205	217	228	2754
Magnesium	ppm	29	28	30	26
Zinc	ppm	125	112	124	1172
Phosphorus	ppm	934	1013	1075	1116
Barium	ppm	0	0	0	3
Boron	ppm	183	154	169	73

Depot: SAIBIR
Unique No: 11075584
Signed: Don Baldrige
Report Date: 14 Jun 2024



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GRAPHS

