



CONSTRUCTION EQUIPMENT

VOLVO A40F 11843 - REAR AXLE



Sample No: VCP431892
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP431892	VCP416412	VCP395352	VCP397910
Sample Date	01 Nov 2023	02 Aug 2023	12 Apr 2023	08 Dec 2022
Machine Hours	6592	6103	5555	5050
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	298	326	326	325
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	2	3	2
Sodium	ppm	<1	0	0	<1
Potassium	ppm	<1	2	0	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	4	26	21	14
Copper	ppm	<1	<1	1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	0
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	19	2	2	1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	122	62	103	104
Magnesium	ppm	33	13	19	12
Zinc	ppm	70	37	46	51
Phosphorus	ppm	1010	950	936	927
Barium	ppm	0	0	0	0
Boron	ppm	191	188	177	155

Depot: SAIBIR
Unique No: 10749079
Signed: Don Baldrige
Report Date: 20 Nov 2023



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GRAPHS

