



CONSTRUCTION EQUIPMENT

VOLVO A40G 342608 - BOGIE/CENTER AXLE



Sample No: VCP405688
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP405688	VCP395612	VCP379370	VCP337131
Sample Date	21 Aug 2023	27 Apr 2023	17 Jan 2023	06 Sep 2022
Machine Hours	10330	9546	8851	8053
Oil Hours	552	1095	1246	448
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	137	138	136	137
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CONTAMINATION

Silicon	ppm	4	5	3	3
Sodium	ppm	0	1	0	0
Potassium	ppm	<1	0	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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	22	13	41	21
Copper	ppm	0	1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	2	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	139	140	166	165
Magnesium	ppm	15	16	6	5
Zinc	ppm	52	55	67	69
Phosphorus	ppm	933	975	954	963
Barium	ppm	0	0	0	0
Boron	ppm	209	163	180	165

Depot: SCHGRE
Unique No: 10634497
Signed: Wes Davis
Report Date: 07 Sep 2023

