



CONSTRUCTION EQUIPMENT

VOLVO A40G 342608 - REAR AXLE



Sample No: VCP405687
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP405687	VCP395614	VCP379409	VCP337134
Sample Date	21 Aug 2023	27 Apr 2023	17 Jan 2023	06 Sep 2022
Machine Hours	10330	9546	8851	8053
Oil Hours	552	695	1246	448
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486



OIL CONDITION

Visc @ 40°C	cSt	138	139	135	136
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CONTAMINATION

Silicon	ppm	2	4	4	5
Sodium	ppm	0	2	<1	0
Potassium	ppm	<1	0	1	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	49	47	77	158
Copper	ppm	0	1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	<1	<1	1	3
Molybdenum	ppm	2	2	5	8
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	7	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	145	138	150	150
Magnesium	ppm	16	17	4	4
Zinc	ppm	57	55	68	69
Phosphorus	ppm	1008	964	920	935
Barium	ppm	0	0	0	0
Boron	ppm	225	164	171	158

Depot: SCHGRE
Unique No: 10634502
Signed: Wes Davis
Report Date: 07 Sep 2023



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GRAPHS

