



CONSTRUCTION EQUIPMENT

VOLVO A40G 342374 - REAR AXLE



Sample No: VCP398091
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP398091	VCP400069	VCP404856	VCP385071
Sample Date	11 Mar 2024	20 Jul 2023	02 May 2023	13 Feb 2023
Machine Hours	11321	10329	9875	9396
Oil Hours	674	933	479	1143
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	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	136	132	132	129
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 108	2	6	2
Sodium	ppm	2	<1	1	<1
Potassium	ppm	7	<1	0	0

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	213	10	37	17
Copper	ppm	2	<1	1	0
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	● 21	0	0	0
Chromium	ppm	3	<1	<1	0
Molybdenum	ppm	2	<1	<1	<1
Nickel	ppm	2	0	0	0
Titanium	ppm	2	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	251	397	430	314
Magnesium	ppm	14	8	8	10
Zinc	ppm	102	138	140	141
Phosphorus	ppm	940	951	994	874
Barium	ppm	0	0	0	0
Boron	ppm	166	172	153	157

Depot: SCHGRE
Unique No: 10938226
Signed: Don Baldrige
Report Date: 22 Mar 2024



CONSTRUCTION EQUIPMENT



GRAPHS

