



CONSTRUCTION EQUIPMENT

VOLVO A40G 352566 - REAR AXLE



Sample No: VCP447462
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP447462	VCP433561	VCP341887	VCP312551
Sample Date	06 Jun 2024	02 Apr 2024	11 Dec 2023	04 Oct 2023
Machine Hours	6165	5666	5026	4584
Oil Hours	499	1082	442	1176
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	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	137	136	132	132
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 121	2	1	2
Sodium	ppm	1	<1	0	0
Potassium	ppm	9	0	0	1

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	212	15	7	26
Copper	ppm	<1	0	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	● 23	0	0	1
Chromium	ppm	2	0	0	<1
Molybdenum	ppm	3	1	0	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	2	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	225	256	232	392
Magnesium	ppm	24	<1	11	7
Zinc	ppm	92	102	103	145
Phosphorus	ppm	961	1036	965	978
Barium	ppm	<1	0	0	0
Boron	ppm	166	181	159	174

Depot: SCHGRE
Unique No: 11085025
Signed: Don Baldrige
Report Date: 19 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

