



CONSTRUCTION EQUIPMENT

VOLVO A40G 752009 - FRONT AXLE



Sample No: VCP447512
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP447512	VCP396759	VCP445749	VCP312956
Sample Date	10 Jun 2024	12 Mar 2024	29 Nov 2023	12 Sep 2023
Machine Hours	2081	1479	987	482
Oil Hours	602	1052	560	482
Oil Changed	Not Changd	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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	121	103	102	48.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	5	6	4
Sodium	ppm	0	1	2	<1
Potassium	ppm	2	5	6	4

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	89	293	223	92
Copper	ppm	<1	3	7	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	2	<1	0
Chromium	ppm	1	5	4	1
Molybdenum	ppm	4	10	9	5
Nickel	ppm	<1	2	1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	2	11	10	6
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	559	198	213	183
Magnesium	ppm	13	1	0	1
Zinc	ppm	214	83	99	84
Phosphorus	ppm	957	1266	1100	1392
Barium	ppm	0	<1	0	0
Boron	ppm	158	286	238	342

Depot: SCHGRE
Unique No: 11126999
Signed: Wes Davis
Report Date: 17 Jul 2024



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GRAPHS

