



CONSTRUCTION EQUIPMENT

VOLVO A40G 342610 - REAR AXLE



Sample No: VCP406103
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP406103	VCP400109	VCP362744	VCP359586
Sample Date	24 Aug 2023	30 May 2023	06 Mar 2023	08 Nov 2022
Machine Hours	10233	9672	9074	8436
Oil Hours	1159	598	1085	447
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	139	140	138	138
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CONTAMINATION

Silicon	ppm	5	2	2	2
Sodium	ppm	0	<1	<1	0
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Iron	ppm	45	49	30	6
Copper	ppm	0	0	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	1	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	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	132	140	136	167
Magnesium	ppm	13	13	7	9
Zinc	ppm	49	61	65	77
Phosphorus	ppm	997	1024	989	985
Barium	ppm	0	0	0	0
Boron	ppm	224	209	182	174

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.

Depot: SCHGRE
Unique No: 10634508
Signed: Wes Davis
Report Date: 07 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

