



CONSTRUCTION EQUIPMENT

VOLVO A40G 342610 - FRONT AXLE



Sample No: VCP406112
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP406112	VCP384413	VCP362734	VCP359581
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	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	138	138	137	138
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CONTAMINATION

Silicon	ppm	4	2	2	1
Sodium	ppm	0	<1	<1	0
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	40	47	43	31
Copper	ppm	0	0	0	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	0
Chromium	ppm	<1	<1	<1	<1
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	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	163	139	141	163
Magnesium	ppm	14	13	8	8
Zinc	ppm	62	60	64	72
Phosphorus	ppm	1008	1021	986	981
Barium	ppm	0	0	0	0
Boron	ppm	226	209	183	172

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: 10634521
Signed: Wes Davis
Report Date: 07 Sep 2023



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GRAPHS

