



CONSTRUCTION EQUIPMENT

VOLVO A40G 352566 - FRONT AXLE



Sample No: VCP312552
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP312552	VCP405246	VCP398294	VCP386311
Sample Date	04 Oct 2023	13 Jul 2023	27 Apr 2023	06 Mar 2023
Machine Hours	4584	3940	3468	3021
Oil Hours	1176	532	1042	655
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	132	133	138	139
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CONTAMINATION

Silicon	ppm	3	4	2	2
Sodium	ppm	0	<1	2	<1
Potassium	ppm	<1	<1	0	<1

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	28	14	57	40
Copper	ppm	<1	<1	1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	0	0	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	1	1	2	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	3	2
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	490	410	138	138
Magnesium	ppm	10	9	16	14
Zinc	ppm	175	148	52	65
Phosphorus	ppm	1223	948	975	1015
Barium	ppm	0	0	0	0
Boron	ppm	218	173	164	189

Depot: SCHGRE
Unique No: 10701223
Signed: Wes Davis
Report Date: 20 Oct 2023



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GRAPHS

