



CONSTRUCTION EQUIPMENT

2902 VOLVO A40G 352566 - FRONT AXLE



Sample No: VCP405246
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No: 2902



SAMPLE INFORMATION

Sample Number	VCP405246	VCP398294	VCP386311	VCP359637
Sample Date	13 Jul 2023	27 Apr 2023	06 Mar 2023	09 Nov 2022
Machine Hours	3940	3468	3021	2366
Oil Hours	532	1042	655	1003
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	133	138	139	131
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CONTAMINATION

Silicon	ppm	4	2	2	2
Sodium	ppm	<1	2	<1	0
Potassium	ppm	<1	0	<1	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	14	57	40	55
Copper	ppm	<1	1	0	<1
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	2	2	2
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	3	2	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	410	138	138	156
Magnesium	ppm	9	16	14	6
Zinc	ppm	148	52	65	71
Phosphorus	ppm	948	975	1015	1063
Barium	ppm	0	0	0	0
Boron	ppm	173	164	189	176

Depot: SCHGRE
Unique No: 10586823
Signed: Wes Davis
Report Date: 04 Aug 2023



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GRAPHS

