



CONSTRUCTION EQUIPMENT

VOLVO A40G 352026 - BOGIE/CENTER AXLE



Sample No: VCP405243
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP405243	VCP384376	VCP404898	VCP385102
Sample Date	29 Aug 2023	07 Jun 2023	22 Mar 2023	06 Dec 2022
Machine Hours	9029	8529	7981	7465
Oil Hours	500	1064	516	949
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	143	132	130	130
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CONTAMINATION

Silicon	ppm	4	7	6	2
Sodium	ppm	<1	2	<1	0
Potassium	ppm	2	<1	0	<1



WEAR METALS

Iron	ppm	148	100	85	17
Copper	ppm	<1	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	0
Chromium	ppm	2	<1	<1	0
Molybdenum	ppm	7	1	<1	1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	<1	1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	694	560	384	381
Magnesium	ppm	19	9	8	8
Zinc	ppm	274	223	142	144
Phosphorus	ppm	1006	1404	964	998
Barium	ppm	0	0	0	0
Boron	ppm	168	230	173	154

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: 10634516
Signed: Wes Davis
Report Date: 07 Sep 2023



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GRAPHS

