



CONSTRUCTION EQUIPMENT

VOLVO A40D 70322 - BOGIE/CENTER AXLE



Sample No: VCP419851
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP419851	VCP378091	VCP360995	VCP347993
Sample Date	01 Aug 2023	16 Sep 2022	16 Jun 2022	11 May 2022
Machine Hours	26925	25375	24817	24564
Oil Hours	991	558	1051	798
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	134	135	140	145
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CONTAMINATION

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

WEAR METALS

Iron	ppm	42	14	31	25
Copper	ppm	6	3	6	4
Lead	ppm	0	0	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	1	<1	1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	166	170	179	197
Magnesium	ppm	8	6	15	17
Zinc	ppm	75	71	88	90
Phosphorus	ppm	1001	973	958	1022
Barium	ppm	0	0	0	0
Boron	ppm	211	168	206	163

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: 10617682
Signed: Wes Davis
Report Date: 24 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

