



CONSTRUCTION EQUIPMENT

VOLVO A40G 340668 - BOGIE/CENTER AXLE



Sample No: VCP419854
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP419854	VCP359616	VCP360986	VCP359518
Sample Date	01 Aug 2023	28 Feb 2023	26 Oct 2022	27 Jul 2022
Machine Hours	16113	15032	14400	13863
Oil Hours	1081	1160	537	1091
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	138	137	139	134
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CONTAMINATION

Silicon	ppm	1	2	3	4
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	1	0	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	5	13	6	27
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	2	1	<1	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	137	185	175	386
Magnesium	ppm	12	7	0	9
Zinc	ppm	58	79	67	184
Phosphorus	ppm	1014	995	1007	970
Barium	ppm	0	0	0	0
Boron	ppm	218	175	177	173

Depot: SCHGRE
Unique No: 10617689
Signed: Wes Davis
Report Date: 24 Aug 2023



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GRAPHS

