



CONSTRUCTION EQUIPMENT

VOLVO A40G 342610 - REAR AXLE



Sample No: VCP433207
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP433207	VCP406103	VCP400109	VCP362744
Sample Date	27 Mar 2024	24 Aug 2023	30 May 2023	06 Mar 2023
Machine Hours	11444	10233	9672	9074
Oil Hours	1211	1159	598	1085
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	138	139	140	138
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	5	2	2
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	2	<1	<1	<1

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for possible wear. Resample at the next service interval to monitor. High concentration of visible metal present. 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	82	45	49	30
Copper	ppm	<1	0	0	0
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	<1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	<1	1	1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	209	132	140	136
Magnesium	ppm	8	13	13	7
Zinc	ppm	87	49	61	65
Phosphorus	ppm	1017	997	1024	989
Barium	ppm	0	0	0	0
Boron	ppm	176	224	209	182

Depot: SCHGRE
Unique No: 10963679
Signed: Don Baldrige
Report Date: 06 Apr 2024



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GRAPHS

