



CONSTRUCTION EQUIPMENT

2900 VOLVO A40G 3420 10 - WET DISC BRAKE



Sample No: VCP362631
Oil Type: MOBIL MOBILGARD 424
Job No: 2900



SAMPLE INFORMATION

Sample Number	VCP362631	VCP312959	VCP379369	VCP384421
Sample Date	24 Oct 2023	12 Sep 2023	20 Jun 2023	27 Mar 2023
Machine Hours	8705	8374	7743	7115
Oil Hours	1590	1259	628	2014
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	50.1	49.8	50.6	51.2
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CONTAMINATION

Silicon	ppm	16	15	14	15
Sodium	ppm	0	<1	1	2
Potassium	ppm	2	1	0	0

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	15	14	12	15
Copper	ppm	71	64	51	71
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	1	1	1
Nickel	ppm	2	2	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3319	3327	3412	3164
Magnesium	ppm	17	18	17	19
Zinc	ppm	1380	1460	1386	1258
Phosphorus	ppm	1194	1156	1132	1048
Barium	ppm	0	0	0	0
Boron	ppm	110	131	127	115

Depot: SCHGRE
Unique No: 10724401
Signed: Don Baldrige
Report Date: 03 Nov 2023

VOLVO GRAPHS

