



CONSTRUCTION EQUIPMENT

VOLVO A40G 342010 - WET DISC BRAKE



Sample No: VCP312959
Oil Type: MOBIL MOBILGARD 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP312959	VCP379369	VCP384421	VCP362751
Sample Date	12 Sep 2023	20 Jun 2023	27 Mar 2023	25 Oct 2022
Machine Hours	8374	7743	7115	6231
Oil Hours	1259	628	2014	1130
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	49.8	50.6	51.2	51.9
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CONTAMINATION

Silicon	ppm	15	14	15	15
Sodium	ppm	<1	1	2	3
Potassium	ppm	1	0	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	14	12	15	14
Copper	ppm	64	51	71	59
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	1	1	1
Nickel	ppm	2	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	3327	3412	3164	3385
Magnesium	ppm	18	17	19	12
Zinc	ppm	1460	1386	1258	1338
Phosphorus	ppm	1156	1132	1048	1126
Barium	ppm	0	0	0	0
Boron	ppm	131	127	115	116

Depot: SCHGRE
Unique No: 10672289
Signed: Don Baldrige
Report Date: 02 Oct 2023



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VOLVO GRAPHS

