



CONSTRUCTION EQUIPMENT

2810 VOLVO A40G 342253 - WET DISC BRAKE



Sample No: VCP402325
Oil Type: MOBIL MOBILFLUID 424
Job No: 2810



SAMPLE INFORMATION

Sample Number	VCP402325	VCP404892	VCP385113	VCP385685
Sample Date	19 Jul 2023	02 May 2023	13 Feb 2023	06 Dec 2022
Machine Hours	9967	9484	9003	8711
Oil Hours	921	438	1932	1640
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486



OIL CONDITION

Visc @ 40°C	cSt	47.9	48.6	47.9	46.5
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	14	15	15	13
Sodium	ppm	4	4	4	3
Potassium	ppm	<1	0	0	1



WEAR METALS

Iron	ppm	15	16	24	19
Copper	ppm	86	86	116	126
Lead	ppm	1	0	<1	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	<1	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	2	2	3	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	2682	2973	2957	2983
Magnesium	ppm	15	17	19	11
Zinc	ppm	1193	1326	1217	1331
Phosphorus	ppm	1032	1118	1036	1155
Barium	ppm	0	0	0	0
Boron	ppm	93	85	93	84

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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: 10586821
Signed: Don Baldrige
Report Date: 04 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

