



CONSTRUCTION EQUIPMENT

VOLVO A40G 342374 - WET DISC BRAKE



Sample No: VCP442542
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP442542	VCP442505	VCP392510	VCP384378
Sample Date	15 Apr 2024	05 Feb 2024	29 Aug 2023	07 Jun 2023
Machine Hours	11573	11098	10584	10123
Oil Hours	1450	975	731	2120
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	SEVERE	SEVERE	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	51.7	53.4	48.7	47.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	21	32	30
Sodium	ppm	3	0	3	7
Potassium	ppm	2	2	2	2

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The iron level is severe. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	247	377	104	105
Copper	ppm	26	18	160	161
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	2	0	5
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	1	1	<1	<1
Nickel	ppm	<1	<1	4	5
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	2	2
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	3363	3474	3075	3117
Magnesium	ppm	13	15	13	13
Zinc	ppm	1328	1358	1267	1390
Phosphorus	ppm	1220	1274	1115	1198
Barium	ppm	0	12	1	0
Boron	ppm	118	113	82	88

Depot: SCHGRE
Unique No: 11009516
Signed: Don Baldrige
Report Date: 07 May 2024



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VOLVO GRAPHS

