



CONSTRUCTION EQUIPMENT

VOLVO A40F 1 1927 - WET DISC BRAKE



Sample No: VCP331523
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP331523	VCP312559	VCP312935	VCP373650
Sample Date	30 Jan 2024	10 Oct 2023	01 Sep 2023	24 Jan 2023
Machine Hours	25888	25332	25041	23982
Oil Hours	556	1933	1642	583
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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	52.0	51.4	51.6	51.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	13	13	13
Sodium	ppm	4	2	3	5
Potassium	ppm	<1	2	1	0

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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	25	12	14	12
Copper	ppm	27	40	35	31
Lead	ppm	2	<1	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	1	2	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	3270	3213	3216	3222
Magnesium	ppm	17	13	14	20
Zinc	ppm	1395	1372	1418	1227
Phosphorus	ppm	1093	1104	1145	1019
Barium	ppm	0	0	0	0
Boron	ppm	102	106	115	104

Depot: SCHGRE
Unique No: 10898657
Signed: Jonathan Hester
Report Date: 28 Feb 2024

VOLVO **GRAPHS**

