



CONSTRUCTION EQUIPMENT

VOLVO A40G 341462 - WET DISC BRAKE



Sample No: VCP312567
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP312567	VCP359544	VCP385201	VCP390582
Sample Date	01 Sep 2023	13 Apr 2023	24 Jan 2023	06 Dec 2022
Machine Hours	16607	15664	15179	15207
Oil Hours	943	2100	1615	1443
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	53.0	52.2	52.8	53.4
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CONTAMINATION

Silicon	ppm	12	10	14	13
Sodium	ppm	4	4	5	3
Potassium	ppm	1	0	0	1



WEAR METALS

Iron	ppm	13	16	16	15
Copper	ppm	39	42	42	44
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	1	1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3322	3028	3483	3668
Magnesium	ppm	18	19	27	19
Zinc	ppm	1429	1241	1263	1440
Phosphorus	ppm	1141	955	1023	1162
Barium	ppm	0	0	0	0
Boron	ppm	122	101	115	109

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.

Depot: SCHGRE
Unique No: 10672285
Signed: Don Baldrige
Report Date: 02 Oct 2023



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GRAPHS

