



CONSTRUCTION EQUIPMENT

VOLVO A40G 341476 - WET DISC BRAKE



Sample No: VCP412431
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP412431	VCP404730	VCP400078	VCP384419
Sample Date	06 Feb 2024	24 Oct 2023	20 Jun 2023	27 Mar 2023
Machine Hours	17630	17166	16355	15742
Oil Hours	464	1871	1060	447
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	50.7	50.5	51.1	53.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	14	14	19
Sodium	ppm	7	<1	7	7
Potassium	ppm	<1	2	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	15	14	17	17
Copper	ppm	77	83	68	67
Lead	ppm	2	<1	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	<1	<1	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	3	3	2	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3286	3138	3257	3133
Magnesium	ppm	17	13	14	15
Zinc	ppm	1414	1340	1369	1226
Phosphorus	ppm	1131	1176	1140	1030
Barium	ppm	0	0	0	0
Boron	ppm	96	97	114	111

Depot: SCHGRE
Unique No: 10898645
Signed: Jonathan Hester
Report Date: 28 Feb 2024



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VOLVO GRAPHS

