



CONSTRUCTION EQUIPMENT

2808 VOLVO A40G 342658 - WET DISC BRAKE



Sample No: VCP312837
Oil Type: MOBIL MOBILFLUID 424
Job No: 2808



SAMPLE INFORMATION

Sample Number	VCP312837	VCP339686	VCP402333	VCP385244
Sample Date	11 Dec 2023	03 Oct 2023	13 Jul 2023	06 Mar 2023
Machine Hours	9899	9447	8893	8373
Oil Hours	452	2158	1604	1084
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	48.4	46.6	46.9	47.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	16	15	21
Sodium	ppm	3	2	6	7
Potassium	ppm	0	2	<1	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	19	21	21	26
Copper	ppm	71	106	83	92
Lead	ppm	0	0	1	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	1	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	2	4	4	4
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	3268	3331	3117	3595
Magnesium	ppm	15	11	16	17
Zinc	ppm	1387	1432	1315	1469
Phosphorus	ppm	1121	1175	1090	1230
Barium	ppm	0	0	0	0
Boron	ppm	105	115	111	123

Depot: SCHGRE
Unique No: 10807026
Signed: Don Baldrige
Report Date: 28 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

