



CONSTRUCTION EQUIPMENT

VOLVO A40F 12382 - FRONT AXLE



Sample No: VCP339734
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP339734	VCP398003	VCP377256	VCP378264
Sample Date	10 Oct 2023	26 Jul 2023	15 Mar 2023	26 Sep 2022
Machine Hours	14258	13692	12795	11826
Oil Hours	566	297	969	942
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	132	136	135	136
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CONTAMINATION

Silicon	ppm	2	2	3	3
Sodium	ppm	0	0	<1	0
Potassium	ppm	<1	0	0	2

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	5	34	215	21
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	3	<1
Chromium	ppm	<1	<1	2	0
Molybdenum	ppm	2	0	2	1
Nickel	ppm	0	0	1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	2	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	424	203	209	213
Magnesium	ppm	20	16	14	14
Zinc	ppm	158	91	95	100
Phosphorus	ppm	957	967	921	1020
Barium	ppm	0	0	0	2
Boron	ppm	176	168	175	175

Depot: SCHGRE
Unique No: 10701224
Signed: Wes Davis
Report Date: 20 Oct 2023



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GRAPHS

