



CONSTRUCTION EQUIPMENT

VOLVO A40G 342253 - FRONT AXLE



Sample No: VCP442549
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP442549	VCP398098	VCP402412	VCP406065
Sample Date	06 Dec 2023	25 Sep 2023	19 Jul 2023	02 May 2023
Machine Hours	10949	10423	9967	9484
Oil Hours	982	456	964	481
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	135	135	131	132
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	3	3
Sodium	ppm	0	0	<1	<1
Potassium	ppm	0	1	<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	29	8	32	50
Copper	ppm	<1	0	2	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	1	<1	1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	265	265	445	427
Magnesium	ppm	0	11	7	8
Zinc	ppm	85	117	159	140
Phosphorus	ppm	971	989	957	991
Barium	ppm	0	2	0	0
Boron	ppm	192	178	165	147

Depot: SCHGRE
Unique No: 10780764
Signed: Wes Davis
Report Date: 12 Dec 2023



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GRAPHS

