



# CONSTRUCTION EQUIPMENT

## VOLVO A40F 12382 - REAR AXLE



**Sample No:** VCP339892  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP339892	VCP385117	VCP373572	VCP378266
Sample Date	10 Oct 2023	26 Jul 2023	15 Mar 2023	26 Sep 2022
Machine Hours	14258	13692	12795	11826
Oil Hours	566	897	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	131	138	137	137



### CONTAMINATION

Element	ppm	3	28	26	22
Silicon	ppm	3	28	26	22
Sodium	ppm	0	<1	<1	0
Potassium	ppm	1	<1	0	2



### WEAR METALS

Element	ppm	8	130	110	81
Iron	ppm	8	130	110	81
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	4	3	2
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	2	0	1	1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	2	2	1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Element	ppm	420	198	205	196
Calcium	ppm	420	198	205	196
Magnesium	ppm	20	15	15	13
Zinc	ppm	155	88	93	94
Phosphorus	ppm	956	936	935	964
Barium	ppm	0	0	0	1
Boron	ppm	174	166	181	166

### 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:** 10701225  
**Signed:** Wes Davis  
**Report Date:** 23 Oct 2023



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## GRAPHS

