



# CONSTRUCTION EQUIPMENT

## 12058 VOLVO A30D 12117 - FRONT AXLE



**Sample No:** VCP443165  
**Oil Type:** MOBIL MOBILUBE HD PLUS 85W140  
**Job No:** 12058



### SAMPLE INFORMATION

Sample Number	<b>VCP443165</b>	VCP363763	VCP372193	VCP284661
Sample Date	<b>08 Feb 2024</b>	11 Aug 2022	09 Aug 2022	10 Aug 2020
Machine Hours	<b>12796</b>	10465	10465	11690
Oil Hours	<b>0</b>	2000	2000	1500
Oil Changed	<b>N/A</b>	Changed	Changed	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>280</b>	261	342	259
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	9	31	11
Sodium	ppm	<b>0</b>	4	1	4
Potassium	ppm	<b>2</b>	0	3	0

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>50</b>	63	181	60
Copper	ppm	<b>2</b>	13	56	13
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	1	2	<1
Aluminum	ppm	<b>2</b>	3	6	<1
Chromium	ppm	<b>&lt;1</b>	<1	1	0
Molybdenum	ppm	<b>1</b>	4	<1	4
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	2	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>103</b>	176	36	173
Magnesium	ppm	<b>9</b>	21	7	16
Zinc	ppm	<b>36</b>	107	30	99
Phosphorus	ppm	<b>1362</b>	890	972	887
Barium	ppm	<b>12</b>	<1	2	0
Boron	ppm	<b>217</b>	161	193	211

**Depot:** JAAPHI  
**Unique No:** 10876596  
**Signed:** Jonathan Hester  
**Report Date:** 16 Feb 2024



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## GRAPHS

