



# CONSTRUCTION EQUIPMENT

## 12046 VOLVO A35D 72314 - FRONT AXLE



**Sample No:** VCP443199  
**Oil Type:** MOBIL MOBILUBE HD PLUS 85W140  
**Job No:** 12046



### SAMPLE INFORMATION

Sample Number	<b>VCP443199</b>	VCP389237	VCP308461	VCP264183
Sample Date	<b>06 Feb 2024</b>	30 Sep 2022	29 Jul 2021	30 Jan 2020
Machine Hours	<b>11246</b>	10575	9836	8935
Oil Hours	<b>0</b>	2000	1500	1000
Oil Changed	<b>N/A</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>303</b>	256	254	259
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	4	3	4
Sodium	ppm	<b>&lt;1</b>	2	2	1
Potassium	ppm	<b>0</b>	0	0	<1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>26</b>	52	48	36
Copper	ppm	<b>&lt;1</b>	5	4	2
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	5	5	4
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>92</b>	230	227	222
Magnesium	ppm	<b>14</b>	38	39	33
Zinc	ppm	<b>45</b>	129	122	106
Phosphorus	ppm	<b>517</b>	931	938	882
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>62</b>	157	245	129

**Depot:** JAAPHI  
**Unique No:** 10873856  
**Signed:** Don Baldrige  
**Report Date:** 13 Feb 2024



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## VOLVO GRAPHS

