



# CONSTRUCTION EQUIPMENT

## A11512 VOLVO A35D 72130 - FRONT AXLE



**Sample No:** VCP430950  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A11512



### SAMPLE INFORMATION

Sample Number	<b>VCP430950</b>	VCP408928	VCP372059	VCP337111
Sample Date	<b>21 Nov 2023</b>	27 Jun 2023	10 Jun 2022	27 Sep 2021
Machine Hours	<b>12630</b>	12050	10833	10190
Oil Hours	<b>1000</b>	500	0	500
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

**DYER QUARRY**  
P.O. BOX 188, 1275 ROCK HOLLOW ROAD  
BIRDSBORO, PA  
US 19508  
Contact: MATT MCCLELLAND  
matt.mcclelland@dyerquarry.com  
T:  
F: (610)582-2304



### OIL CONDITION

Visc @ 40°C	cSt	<b>256</b>	257	256	225
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	7	6	3
Sodium	ppm	<b>5</b>	4	3	0
Potassium	ppm	<b>1</b>	1	0	<1

### Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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	<b>114</b>	109	92	42
Copper	ppm	<b>11</b>	10	10	5
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>&lt;1</b>	1	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>4</b>	4	5	2
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	5
Manganese	ppm	<b>1</b>	2	1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>177</b>	199	201	144
Magnesium	ppm	<b>6</b>	9	7	7
Zinc	ppm	<b>104</b>	109	114	74
Phosphorus	ppm	<b>937</b>	1000	926	1303
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>147</b>	184	174	196

**Depot:** DYEBIR  
**Unique No:** 10765302  
**Signed:** Don Baldrige  
**Report Date:** 03 Dec 2023



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## VOLVO GRAPHS

