



# CONSTRUCTION EQUIPMENT

## A10573 VOLVO A35D 72130 - HYDRAULIC SYSTEM



**Sample No:** VCP425734  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A10573



### SAMPLE INFORMATION

Sample Number	<b>VCP425734</b>	VCP372190	VCP335658	VCP314024
Sample Date	<b>27 Jun 2023</b>	10 Jun 2022	27 Sep 2021	05 May 2021
Machine Hours	<b>12050</b>	10833	10190	9575
Oil Hours	<b>500</b>	0	500	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

**DYER QUARRY**  
P.O. BOX 188, 1275 ROCK HOLLOW ROAD  
BIRDSBORO, PA  
US 19508  
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T:  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.7</b>	41.0	41.9	42.5
Acid Number (AN)	mg KOH/g	<b>0.56</b>	0.63	0.627	0.791

### CONTAMINATION

Particles >4µm		<b>77241</b>	98836	100453	169916
Particles >6µm		<b>1649</b>	1267	1213	5713
Particles >14µm		<b>10</b>	22	16	48
ISO 4406:1999 (c)		<b>23/18/10</b>	24/17/12	24/17/11	25/20/13
Silicon	ppm	<b>11</b>	9	8	8
Sodium	ppm	<b>1</b>	<1	2	<1
Potassium	ppm	<b>2</b>	2	<1	2

**Diagnosis**  
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>30</b>	27	23	26
Copper	ppm	<b>31</b>	22	18	13
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>2</b>	3	2	<1
Chromium	ppm	<b>8</b>	4	2	<1
Molybdenum	ppm	<b>3</b>	3	3	3
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>1376</b>	1289	1346	1288
Magnesium	ppm	<b>28</b>	27	28	27
Zinc	ppm	<b>853</b>	806	794	775
Phosphorus	ppm	<b>661</b>	613	609	638
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>19</b>	20	22	18

**Depot:** DYEBIR  
**Unique No:** 10547935  
**Signed:** Don Baldrige  
**Report Date:** 10 Jul 2023

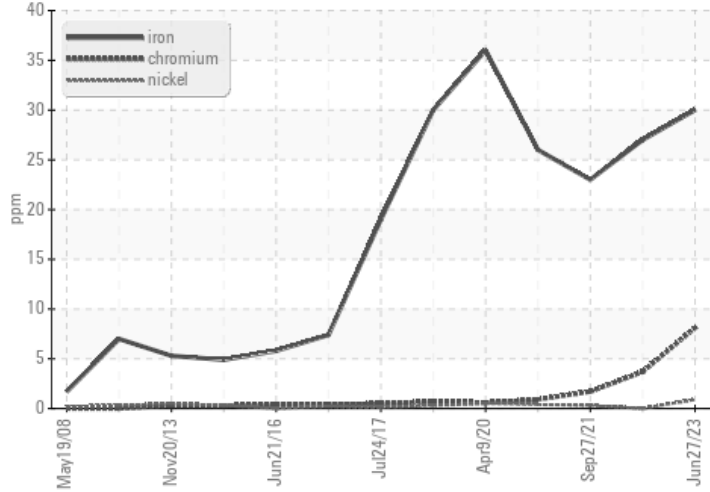


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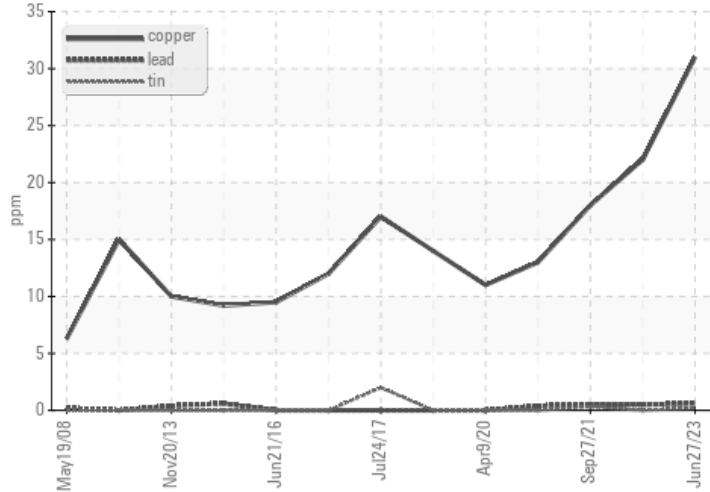


## VOLVO GRAPHS

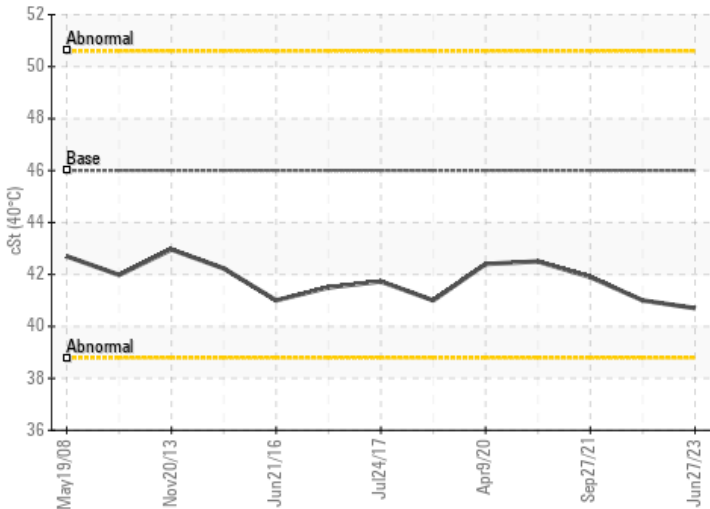
### Ferrous Alloys



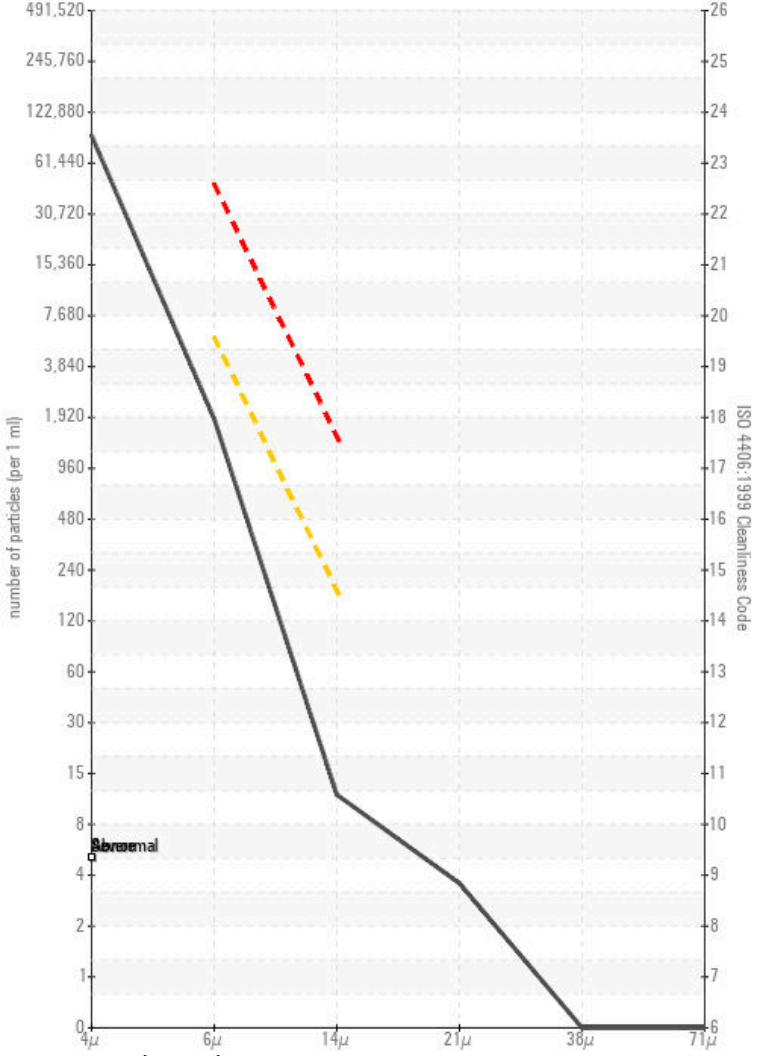
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

