



# CONSTRUCTION EQUIPMENT

## A11962 VOLVO L180H 5740 - HYDRAULIC SYSTEM



**Sample No:** VCP439305  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A11962



### SAMPLE INFORMATION

Sample Number	<b>VCP439305</b>	VCP429685	VCP434126	---
Sample Date	<b>24 Jan 2024</b>	08 Dec 2023	16 Nov 2023	---
Machine Hours	<b>1505</b>	1135	990	---
Oil Hours	<b>1505</b>	1135	990	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	ABNORMAL	---

**WASTE MANAGEMENT - TELFORD**  
 400 PROGRESS DR  
 TELFORD, PA  
 US 18969-1191  
 Contact: EDWARD ROGENER  
 erogener@wm.com  
 T:  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>42.3</b>	42.7	42.4	---
Acid Number (AN)	mg KOH/g	<b>0.26</b>	0.27	0.27	---

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>9648</b>	19588	---	---
Particles >6µm		<b>1868</b>	4397	---	---
Particles >14µm		<b>▲ 103</b>	▲ 175	---	---
ISO 4406:1999 (c)		<b>20/18/14</b>	21/19/15	---	---
Silicon	ppm	<b>1</b>	<1	1	---
Sodium	ppm	<b>0</b>	0	0	---
Potassium	ppm	<b>&lt;1</b>	<1	2	---

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>1</b>	1	2	---
Copper	ppm	<b>2</b>	2	2	---
Lead	ppm	<b>2</b>	<1	1	---
Tin	ppm	<b>&lt;1</b>	0	<1	---
Aluminum	ppm	<b>2</b>	2	2	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	0	<1	---
Nickel	ppm	<b>&lt;1</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	0	<1	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>63</b>	56	73	---
Magnesium	ppm	<b>1</b>	4	<1	---
Zinc	ppm	<b>444</b>	440	592	---
Phosphorus	ppm	<b>340</b>	362	392	---
Barium	ppm	<b>13</b>	6	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** WASTEL  
**Unique No:** 10873449  
**Signed:** Don Baldrige  
**Report Date:** 13 Feb 2024

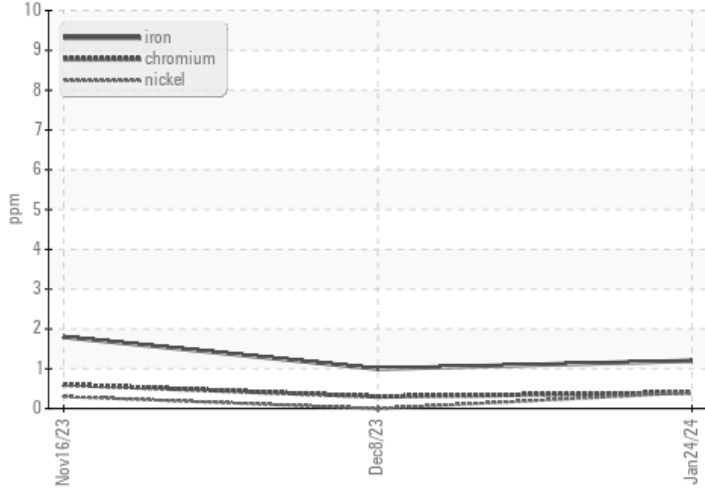


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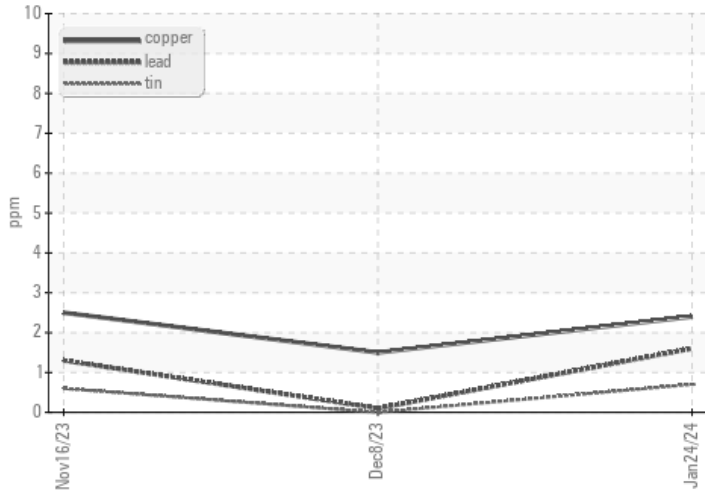


## GRAPHS

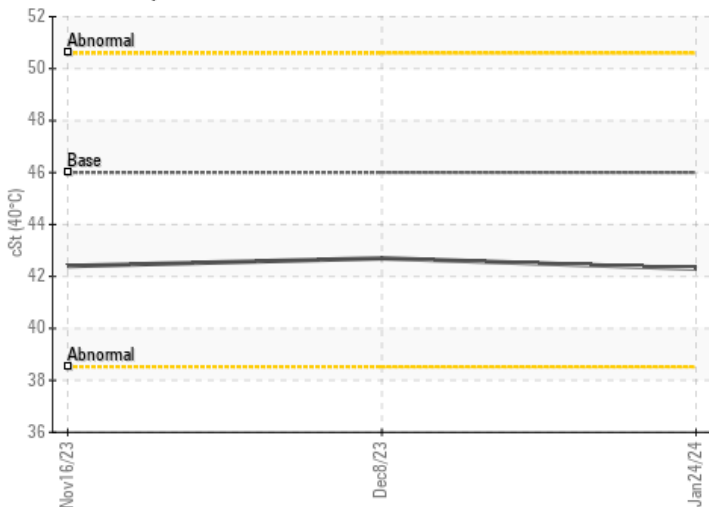
### Ferrous Alloys



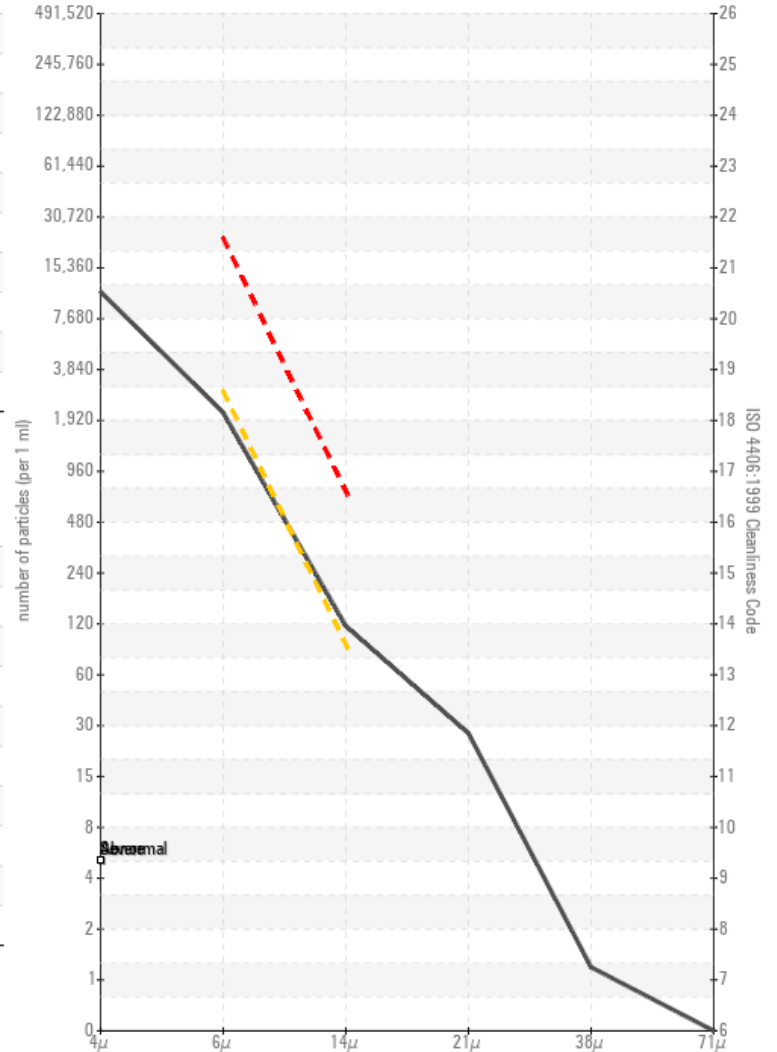
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

