



# CONSTRUCTION EQUIPMENT

TMR-LANDSTREET 74117 562173 VOLVO L180 5500 - HYDRAULIC SYSTEM



**Sample No:** VCP440042  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 74117



## SAMPLE INFORMATION

Sample Number	<b>VCP440042</b>	DJJ0009630	VCP398653	DJJ0009647
Sample Date	<b>13 Feb 2024</b>	13 Apr 2023	15 Feb 2023	05 Jan 2023
Machine Hours	<b>10264</b>	8192	7339	6760
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	NORMAL

TRADEMARK METALS RECYCLING - ORLANDO - LANDSTREET  
51 EAST LANDSTREET ROAD  
ORLANDO, FL  
US 32824  
Contact: RYAN BOWDEN

## OIL CONDITION

Visc @ 40°C	cSt	<b>48.8</b>	43.7	44.2	42.8
Acid Number (AN)	mg KOH/g	<b>0.42</b>	0.39	0.32	0.34

T:  
F: (407)855-3118

## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		<b>▲ 10388</b>	926	▲ 14062	4168
Particles >6µm		<b>▲ 3271</b>	191	▲ 2898	871
Particles >14µm		<b>▲ 270</b>	10	82	100
ISO 4406:1999 (c)		<b>21/19/15</b>	17/15/10	21/19/14	19/17/14
Silicon	ppm	<b>&lt;1</b>	2	2	2
Sodium	ppm	<b>2</b>	3	0	2
Potassium	ppm	<b>&lt;1</b>	<1	1	0

## Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

## WEAR METALS

Iron	ppm	<b>2</b>	8	7	7
Copper	ppm	<b>0</b>	2	2	2
Lead	ppm	<b>0</b>	0	1	1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	1	1	<1
Molybdenum	ppm	<b>2</b>	3	3	2
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	0
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>75</b>	80	79	74
Magnesium	ppm	<b>14</b>	15	12	7
Zinc	ppm	<b>424</b>	449	420	412
Phosphorus	ppm	<b>329</b>	349	315	327
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>4</b>	<1	<1	0

**Depot:** TRAORLFL  
**Unique No:** 10888325  
**Signed:** Wes Davis  
**Report Date:** 22 Feb 2024

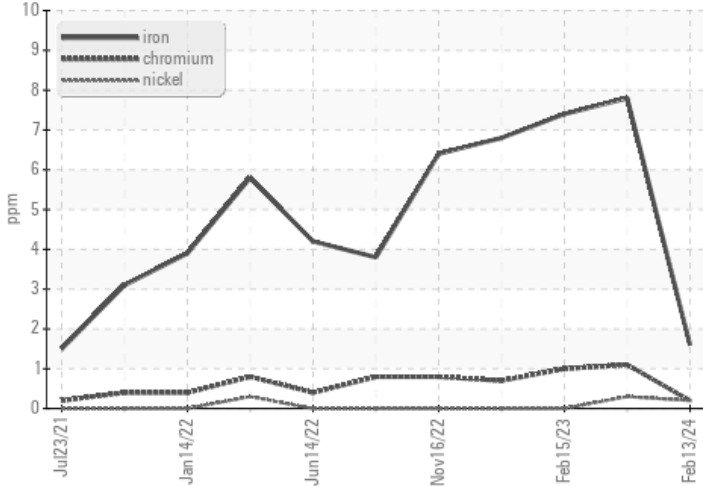


# CONSTRUCTION EQUIPMENT

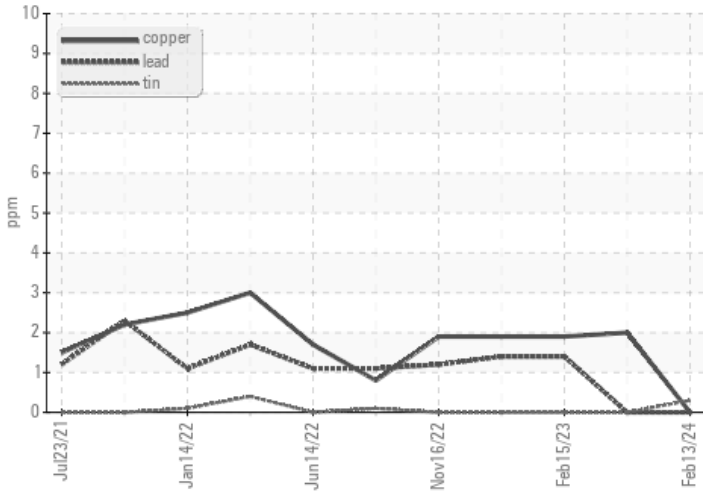


## GRAPHS

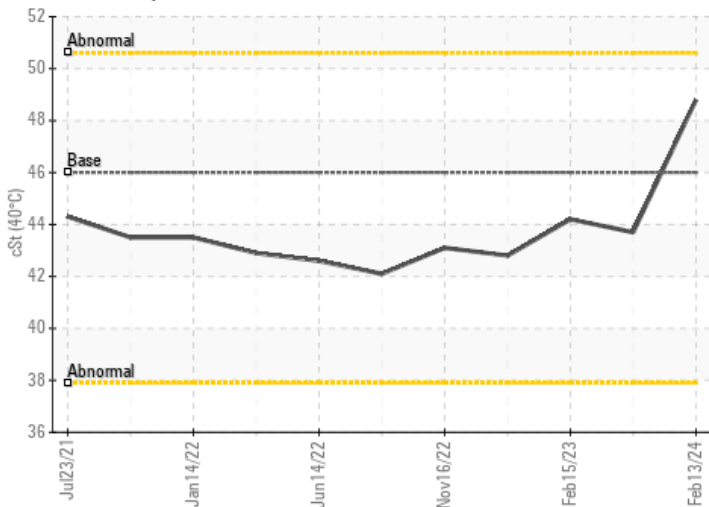
### Ferrous Alloys



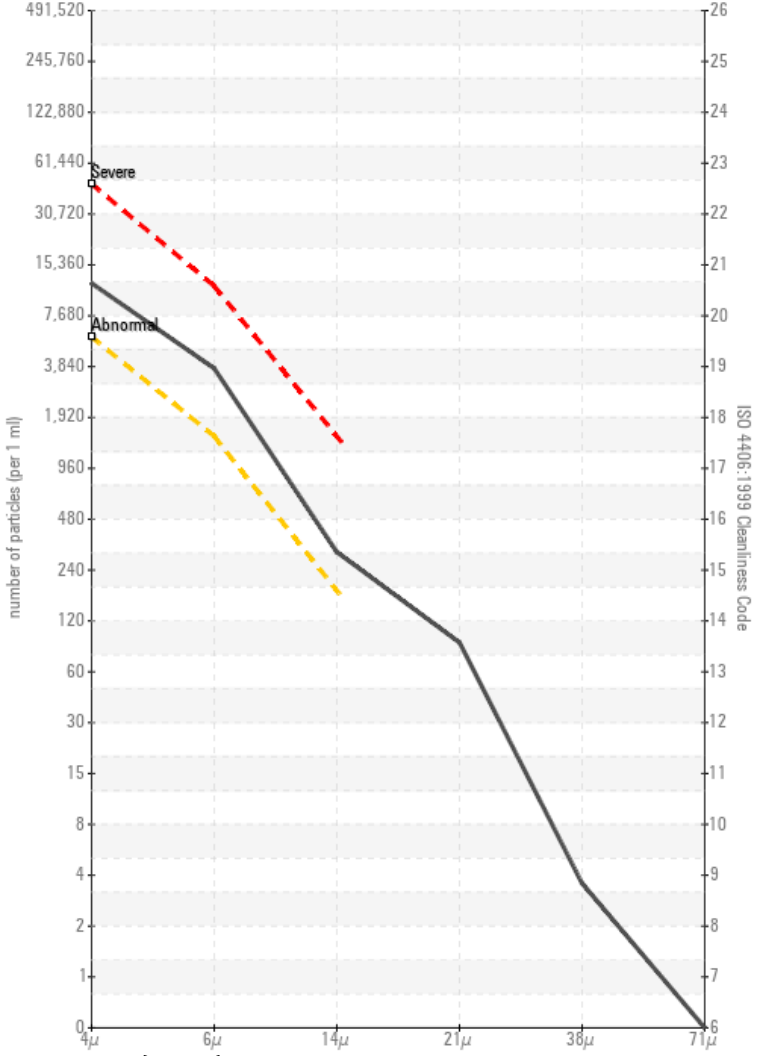
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

