



# CONSTRUCTION EQUIPMENT

TMR-LANDSTREET 714281 562173 VOLVO L180 5500 - HYDRAULIC SYSTEM



**Sample No:** VCP449824  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 714281



## SAMPLE INFORMATION

Sample Number	<b>VCP449824</b>	VCP440042	DJJ0009630	VCP398653
Sample Date	<b>01 May 2024</b>	13 Feb 2024	13 Apr 2023	15 Feb 2023
Machine Hours	<b>10716</b>	10264	8192	7339
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	ABNORMAL

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

## OIL CONDITION

Visc @ 40°C	cSt	<b>49.3</b>	48.8	43.7	44.2
Acid Number (AN)	mg KOH/g	<b>0.35</b>	0.42	0.39	0.32

T:  
F: (407)855-3118

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>▲ 12581</b>	▲ 10388	■ 926	▲ 14062
Particles >6µm		<b>▲ 3316</b>	▲ 3271	■ 191	▲ 2898
Particles >14µm		<b>■ 114</b>	● 270	■ 10	■ 82
ISO 4406:1999 (c)		<b>21/19/14</b>	21/19/15	17/15/10	21/19/14
Silicon	ppm	<b>■ 1</b>	■ <1	■ 2	■ 2
Sodium	ppm	<b>■ 2</b>	■ 2	■ 3	■ 0
Potassium	ppm	<b>■ 0</b>	■ <1	■ <1	■ 1

## 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>■ 4</b>	■ 2	■ 8	■ 7
Copper	ppm	<b>■ &lt;1</b>	■ 0	■ 2	■ 2
Lead	ppm	<b>■ &lt;1</b>	■ 0	■ 0	■ 1
Tin	ppm	<b>■ 0</b>	■ <1	■ 0	■ 0
Aluminum	ppm	<b>■ 0</b>	■ <1	■ <1	■ 0
Chromium	ppm	<b>■ &lt;1</b>	■ <1	■ 1	■ 1
Molybdenum	ppm	<b>■ 5</b>	■ 2	■ 3	■ 3
Nickel	ppm	<b>■ 0</b>	■ <1	■ <1	■ 0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>■ 0</b>	■ 0	■ <1	■ 0
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>■ 99</b>	■ 75	■ 80	■ 79
Magnesium	ppm	<b>■ 19</b>	■ 14	■ 15	■ 12
Zinc	ppm	<b>■ 433</b>	■ 424	■ 449	■ 420
Phosphorus	ppm	<b>■ 350</b>	■ 329	■ 349	■ 315
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	■ 0
Boron	ppm	<b>■ 3</b>	■ 4	■ <1	■ <1

**Depot:** TRAORLFL  
**Unique No:** 11018636  
**Signed:** Wes Davis  
**Report Date:** 09 May 2024

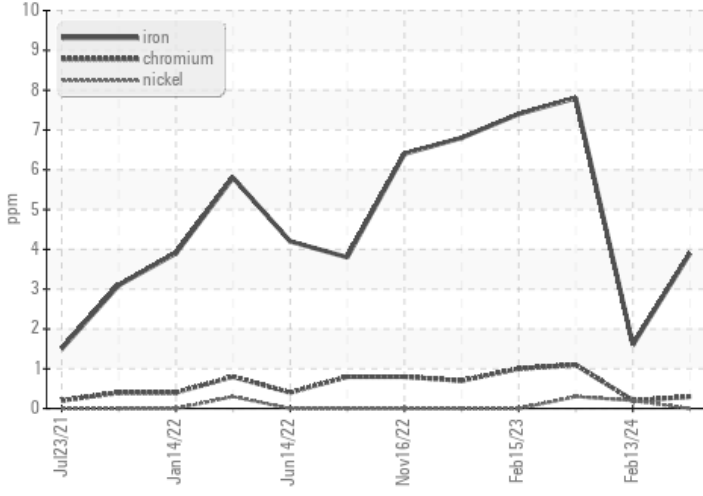


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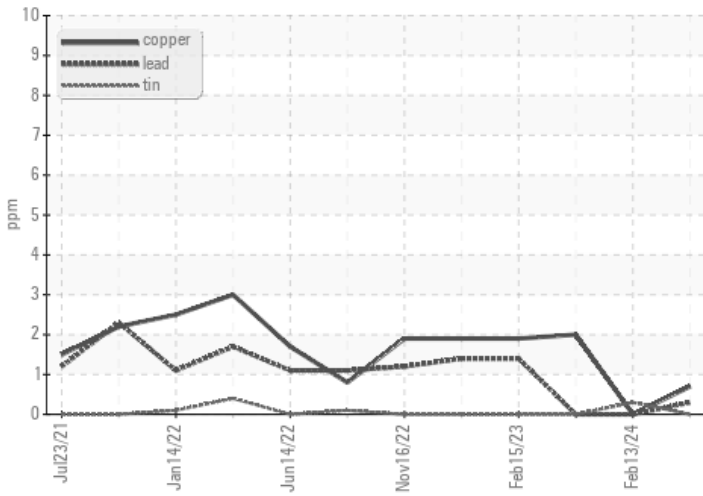


## GRAPHS

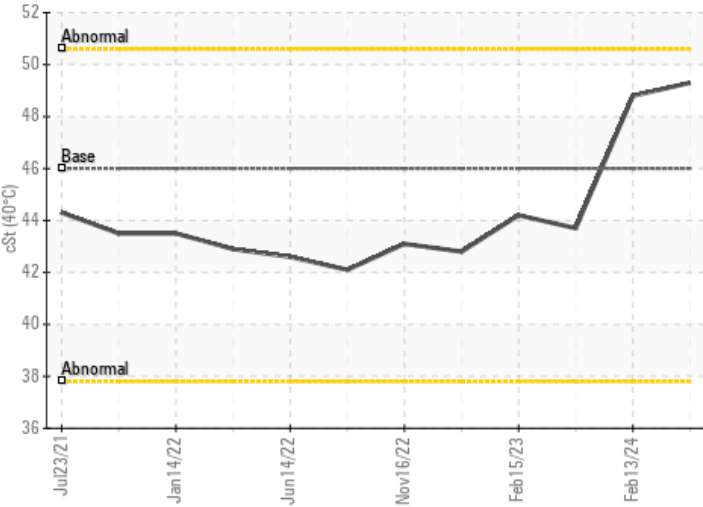
Ferrous Alloys



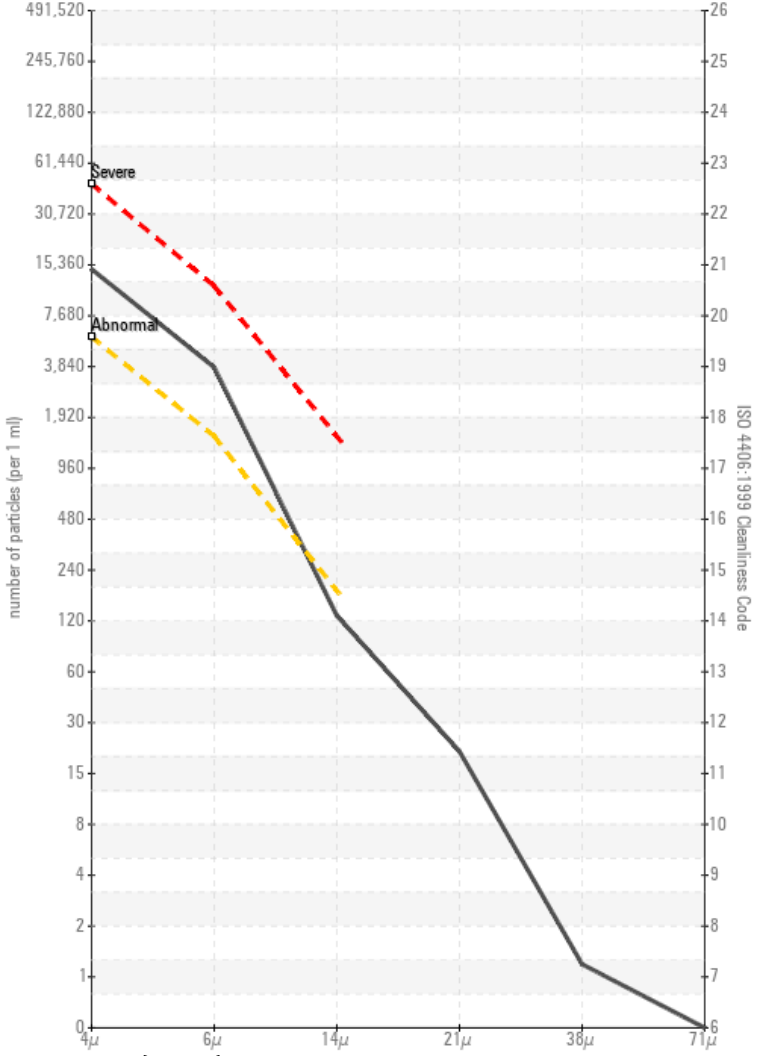
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

