



# CONSTRUCTION EQUIPMENT

SPM580044 AM TERM TERRAMAC RT14R 14RL00272 - HYDRAULIC SYSTEM



**Sample No:** VCP420575  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM580044 AM TERM



## SAMPLE INFORMATION

Sample Number	VCP420575	---	---	---
Sample Date	10 Jul 2023	---	---	---
Machine Hours	1027	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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5000 INDUSTRIAL HWY  
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US 46406  
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DAVE.ENG@ALTG.COM  
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F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 42.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.14	---	---	---



## CONTAMINATION

Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



## WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	273	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 49	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 624	---	---	---
Phosphorus	ppm	█ 630	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8885  
**Unique No:** 10574226  
**Signed:** Don Baldrige  
**Report Date:** 28 Jul 2023

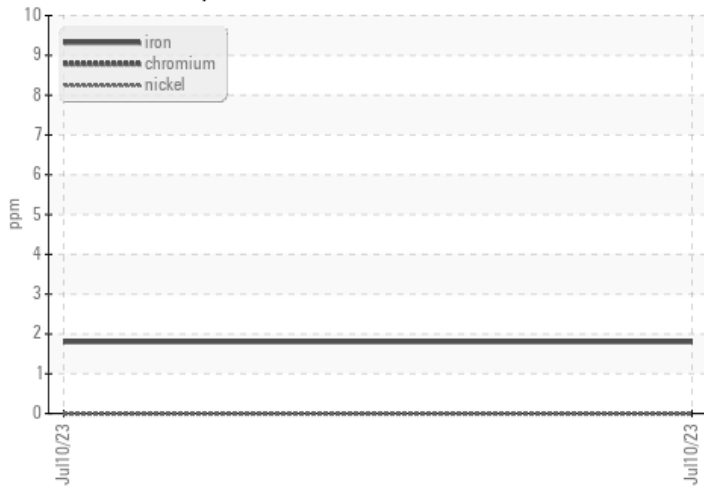


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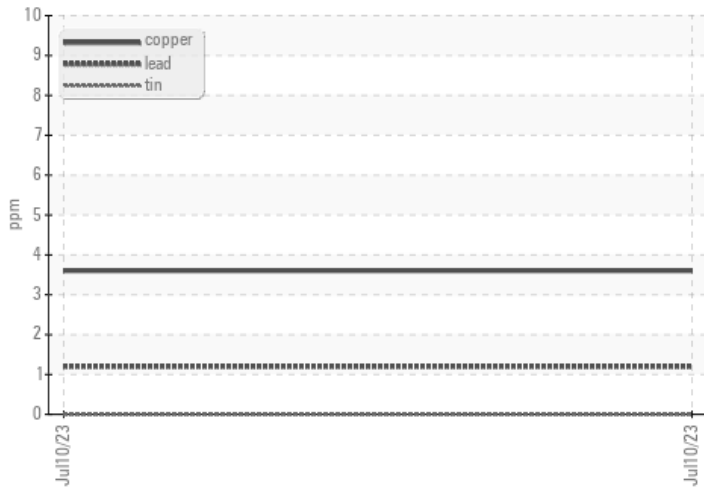


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

