



# CONSTRUCTION EQUIPMENT

## SPM580038 AM TERM TERRAMAC RT14R 14RL00270 - HYDRAULIC SYSTEM



**Sample No:** VCP420192  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM580038 AM TERM



### SAMPLE INFORMATION

Sample Number	VCP420192	---	---	---
Sample Date	10 Jul 2023	---	---	---
Machine Hours	1160	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

**ALTA EQUIPMENT CO - ORLAND PARK**  
 5000 INDUSTRIAL HWY  
 GARY, IN  
 US 46406  
 Contact: DAVE ENG  
 DAVE.ENG@ALTG.COM  
 T: (312)350-2560  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 41.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.92	---	---	---



### CONTAMINATION

Particles >4µm		▲ 6609	---	---	---
Particles >6µm		█ 1141	---	---	---
Particles >14µm		█ 39	---	---	---
ISO 4406:1999 (c)		20/17/12	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

### 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 silt (particulates < 14 microns in size) 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	█ 3	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	138	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 21	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 559	---	---	---
Phosphorus	ppm	█ 533	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO8885  
**Unique No:** 10574229  
**Signed:** Don Baldrige  
**Report Date:** 28 Jul 2023

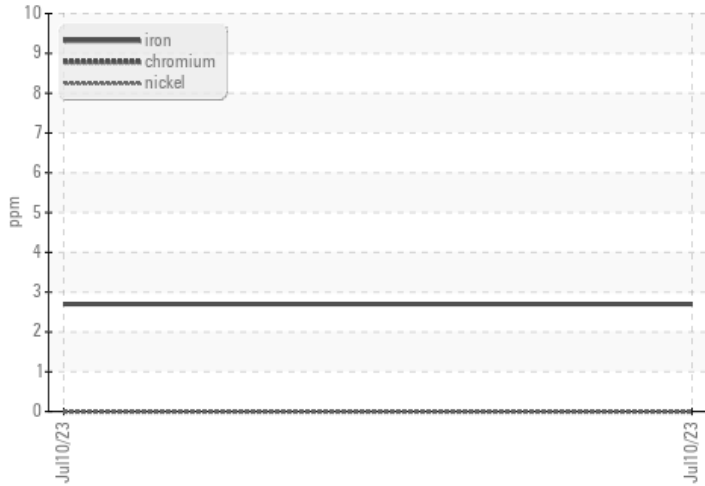


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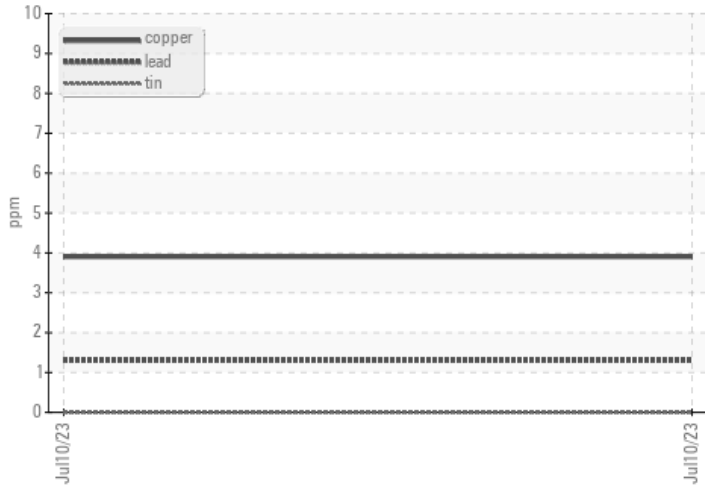


## VOLVO GRAPHS

### Ferrous Alloys



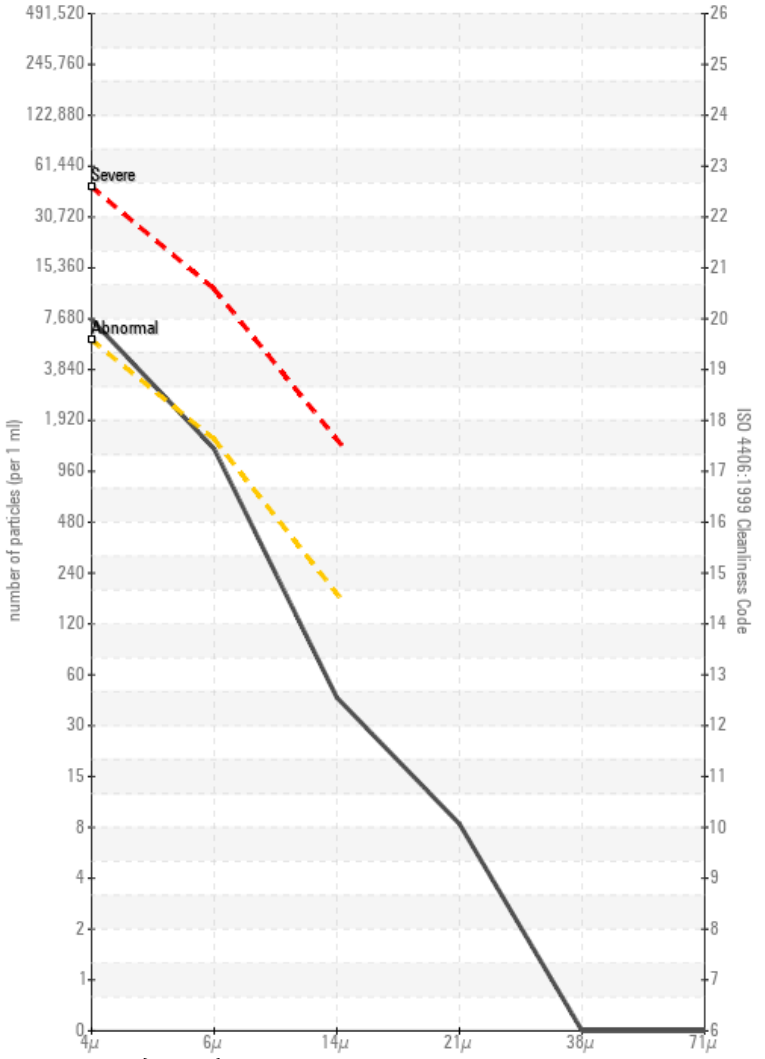
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

