



# CONSTRUCTION EQUIPMENT

ARCH CONST TAKEUCHI TL10V-2 410001252 - HYDRAULIC SYSTEM



**Sample No:** VCP433929  
**Oil Type:** DIESEL ENGINE OIL SAE 10W30  
**Job No:** ARCH CONST



## SAMPLE INFORMATION

Sample Number	VCP433929	---	---	---
Sample Date	05 May 2024	---	---	---
Machine Hours	1952	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

### COWIN EQUIPMENT - ATLANTA

5710 RIVERVIEW RD  
MABLETON, GA  
US 30126

Contact: MIKE ANDREWS  
mandrews@cowin.com  
T: (404)690-7210  
F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 53.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.91	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 5	---	---	---



## WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 27	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 31	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 4	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



## ADDITIVES

Calcium	ppm	█ 2182	---	---	---
Magnesium	ppm	█ 291	---	---	---
Zinc	ppm	█ 860	---	---	---
Phosphorus	ppm	█ 726	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 69	---	---	---

### Diagnosis

Resample at the next service interval to monitor. 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:** COWMAB  
**Unique No:** 11071979  
**Signed:** Angela Borella  
**Report Date:** 12 Jun 2024

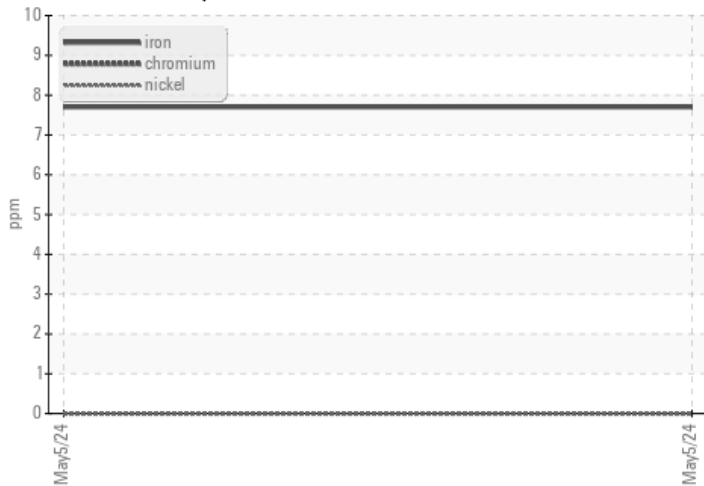


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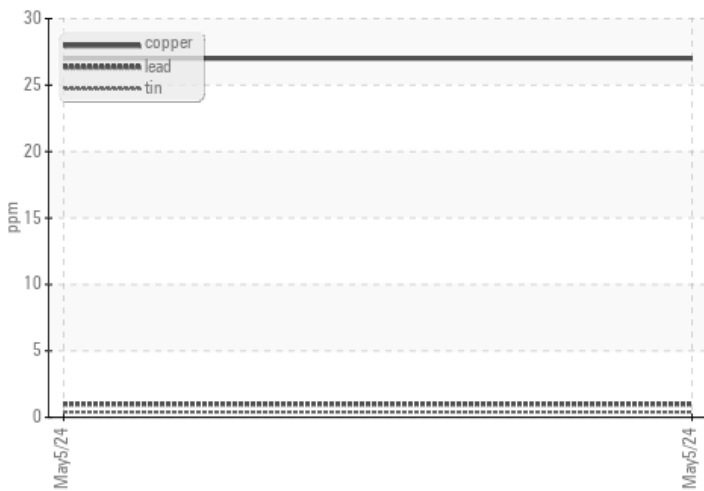


## GRAPHS

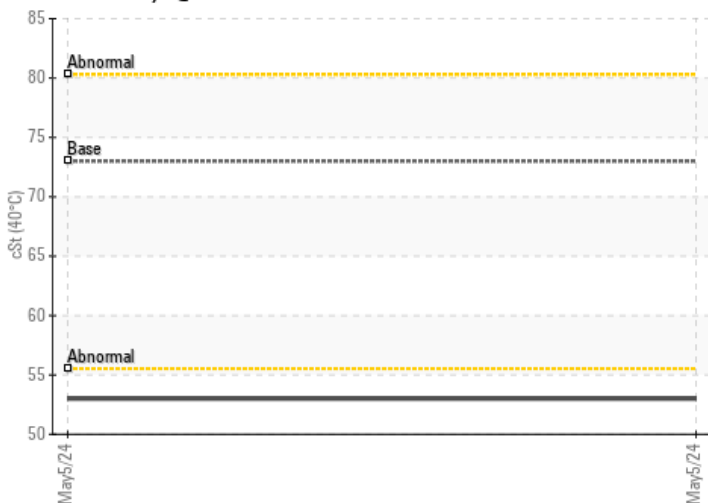
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

