



CONSTRUCTION EQUIPMENT

SWO064387 CRAWFORD HITACHI ZX35U-5N HCMADG60P00302013 - HYDRAULIC SYSTEM



Sample No: VCP365989
Oil Type: NOT GIVEN
Job No: SWO064387 CRAWFORD



SAMPLE INFORMATION

Sample Number	VCP365989	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	159	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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	█ 45.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.045	---	---	---



CONTAMINATION

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



WEAR METALS

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



ADDITIVES

Calcium	ppm	4	---	---	---
Magnesium	ppm	16	---	---	---
Zinc	ppm	39	---	---	---
Phosphorus	ppm	356	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

We recommend you service the filters on this component. 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. 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 suitable for further service.

Depot: COWMAB
Unique No: 10575417
Signed: Don Baldrige
Report Date: 29 Jul 2023

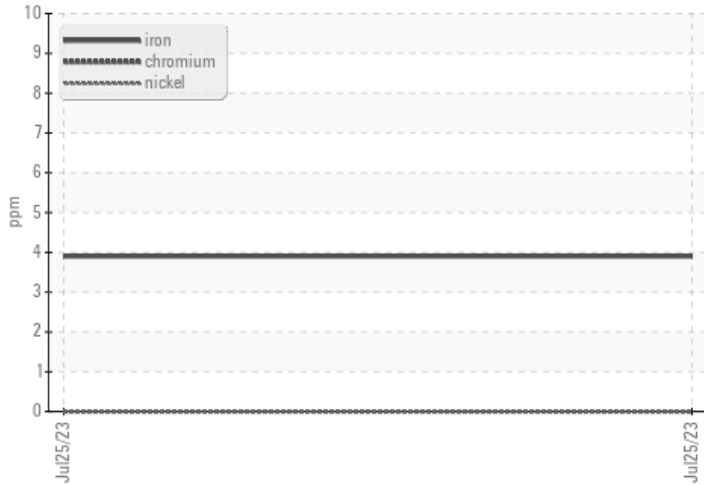


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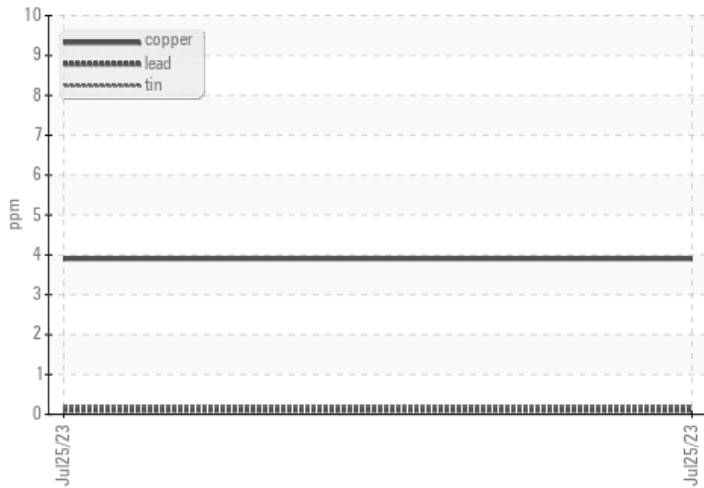


GRAPHS

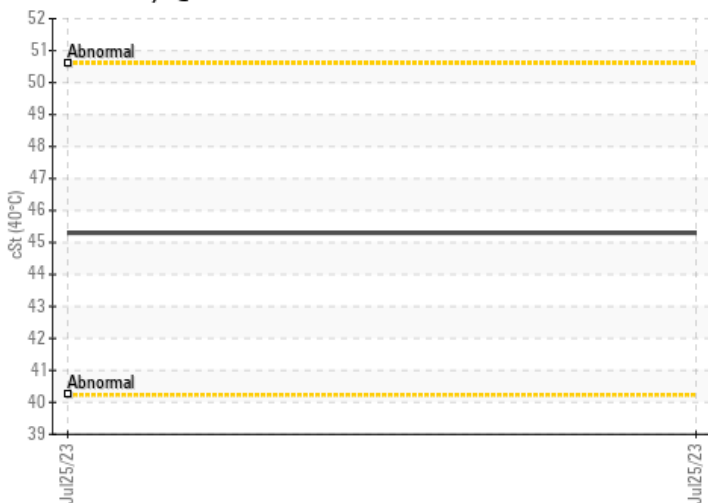
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

