



CONSTRUCTION EQUIPMENT

67829 AK GRADING TAKEUCHI TL8 408004728 - HYDRAULIC SYSTEM



Sample No: VCP429583
Oil Type: DIESEL ENGINE OIL SAE 10W30
Job No: 67829 AK GRADING



SAMPLE INFORMATION

Sample Number	VCP429583	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	108	---	---	---
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	█ 58.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.79	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 38029	---	---	---
Particles >6µm		▲ 4929	---	---	---
Particles >14µm		█ 150	---	---	---
ISO 4406:1999 (c)		22/19/14	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 6	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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	█ 4	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 17	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3741	---	---	---
Magnesium	ppm	█ 26	---	---	---
Zinc	ppm	█ 698	---	---	---
Phosphorus	ppm	█ 510	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 16	---	---	---

Depot: COWMAB
Unique No: 10764994
Signed: Jonathan Hester
Report Date: 04 Dec 2023

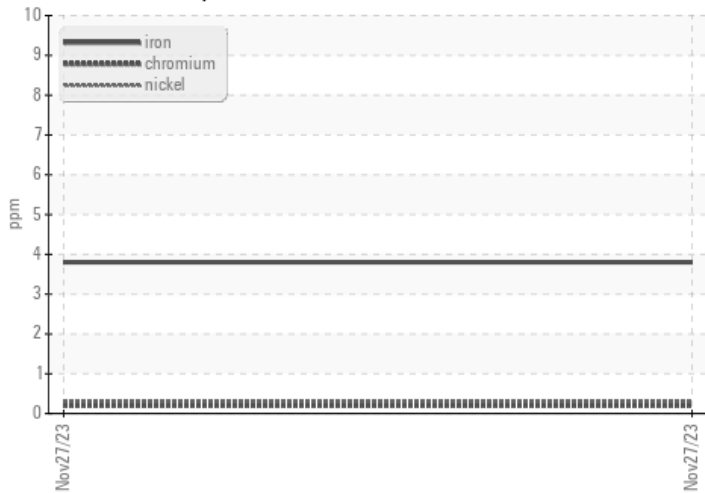


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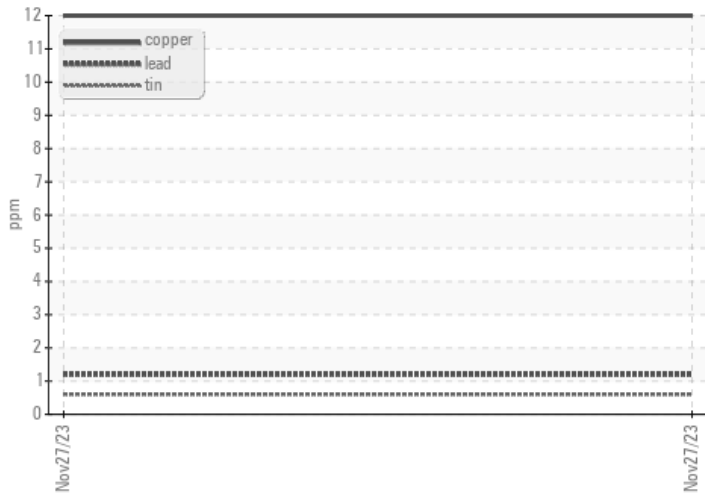


GRAPHS

Ferrous Alloys



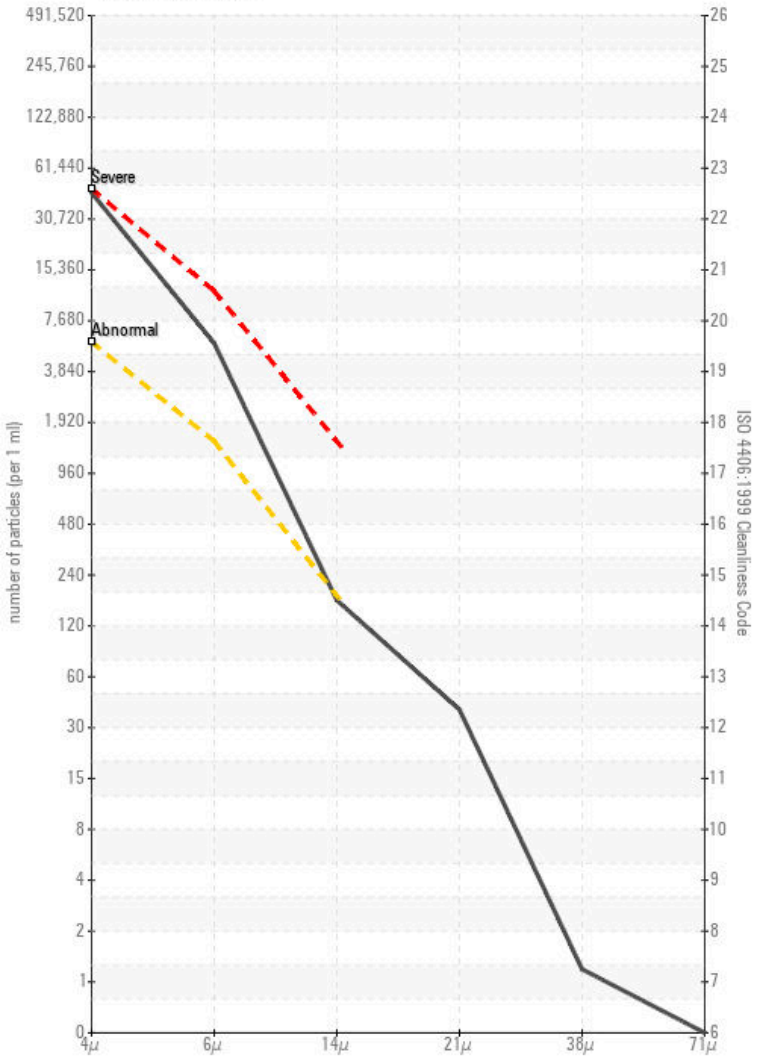
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

