



CONSTRUCTION EQUIPMENT

SWO-063977 CATERPILLAR 769C 01X06337 - HYDRAULIC SYSTEM



Sample No: VCP369085
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-063977



SAMPLE INFORMATION

Sample Number	VCP369085	---	---	---
Sample Date	24 Jul 2023	---	---	---
Machine Hours	3379	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

WHITAKER CONTRACTING

692 CONVICT CAMP RD
 GUNTERVILLE, AL
 US 35976
 Contact: BROTHER WHITAKER
 BrotherWhitaker@whitaker-contracting.com
 T: (256)298-3905
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 47.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.51	---	---	---



CONTAMINATION

Particles >4µm		▲ 72692	---	---	---
Particles >6µm		▲ 9896	---	---	---
Particles >14µm		▲ 186	---	---	---
ISO 4406:1999 (c)		23/20/15	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates 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	█ 24	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 313	---	---	---
Magnesium	ppm	█ 17	---	---	---
Zinc	ppm	█ 506	---	---	---
Phosphorus	ppm	█ 409	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: WHIGUN
Unique No: 10575415
Signed: Don Baldrige
Report Date: 29 Jul 2023

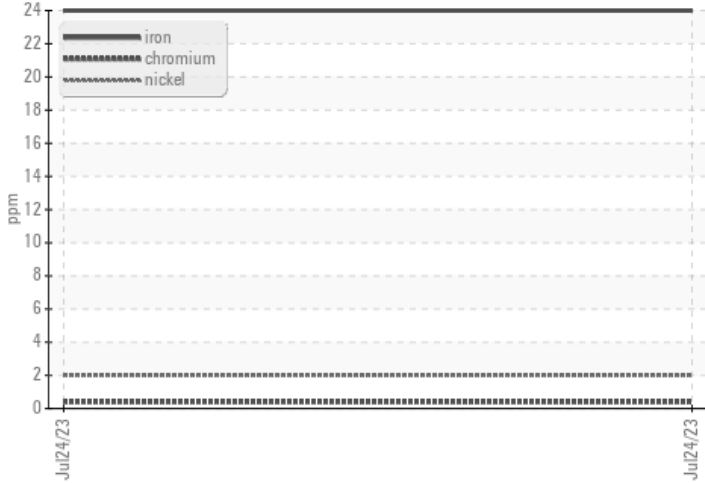


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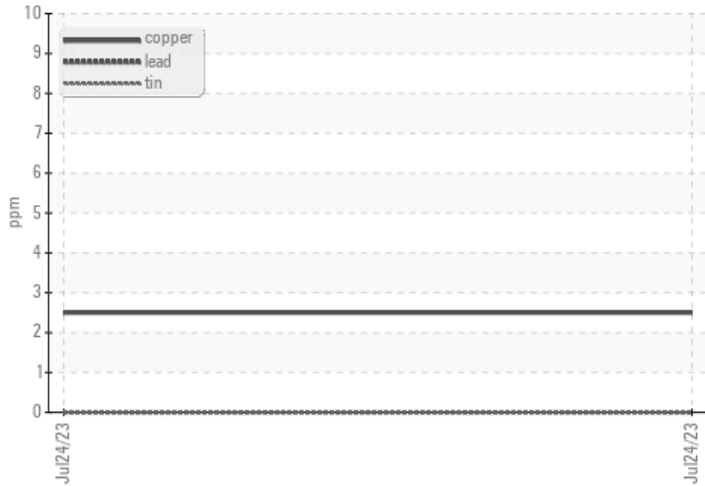


VOLVO GRAPHS

Ferrous Alloys



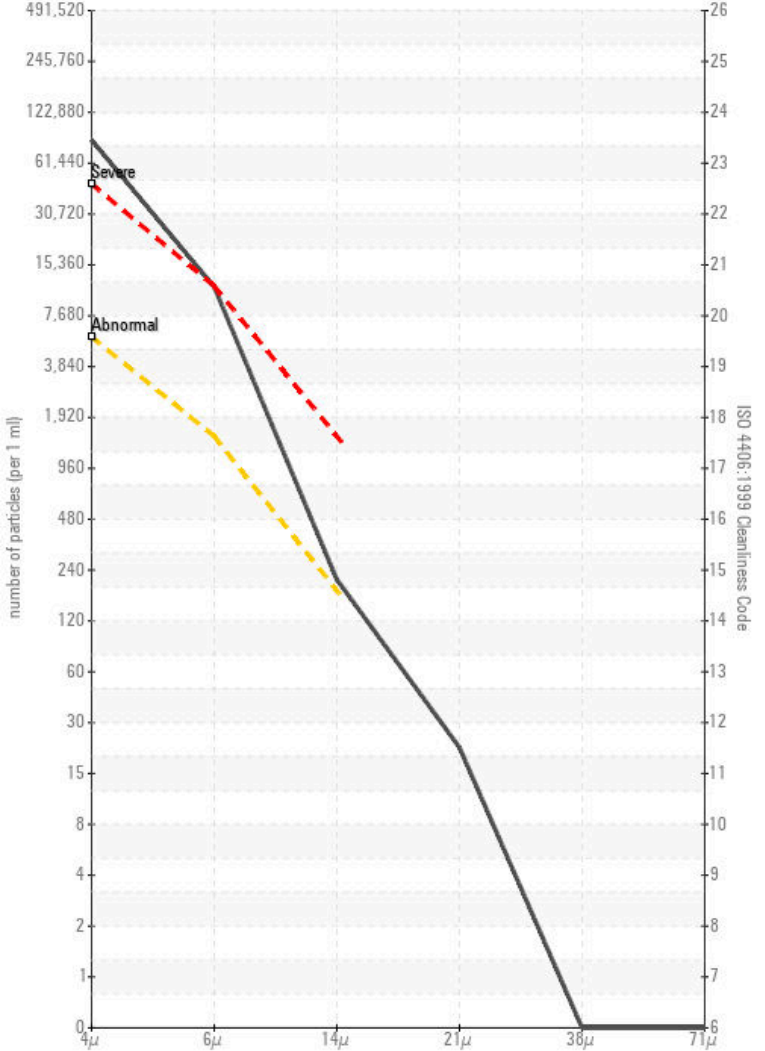
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

