



CONSTRUCTION EQUIPMENT

63656 RUTLEDGE VOLVO L60H 622461 - HYDRAULIC SYSTEM



Sample No: VCP416184
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 63656 RUTLEDGE



COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE
15101 ALABAMA HWY 20
MADISON, AL
US 35756
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SAMPLE INFORMATION

Sample Number	VCP416184	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	2081	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 43.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.36	---	---	---

CONTAMINATION

Particles >4µm		18823	---	---	---
Particles >6µm		▲ 3242	---	---	---
Particles >14µm		▲ 150	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 87	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 553	---	---	---
Phosphorus	ppm	█ 403	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm. All component wear rates are normal. There is a light 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.

Depot: COWMAD
Unique No: 10563600
Signed: Wes Davis
Report Date: 20 Jul 2023

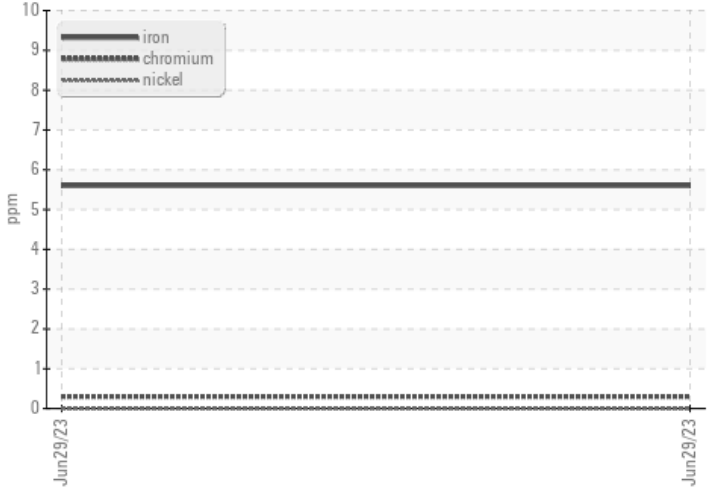


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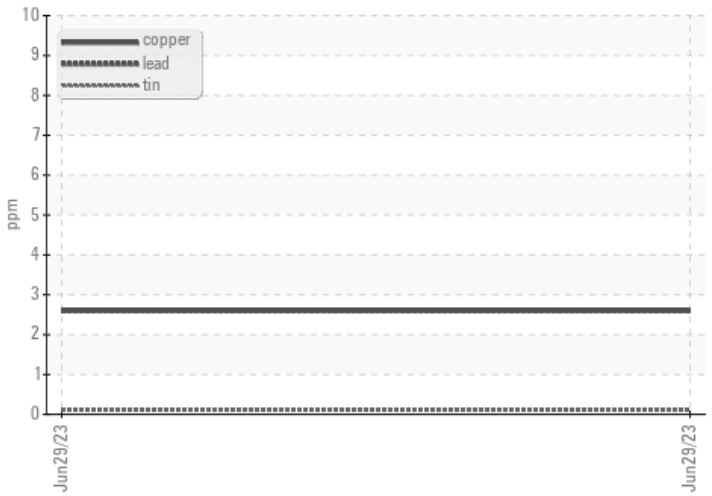


GRAPHS

Ferrous Alloys



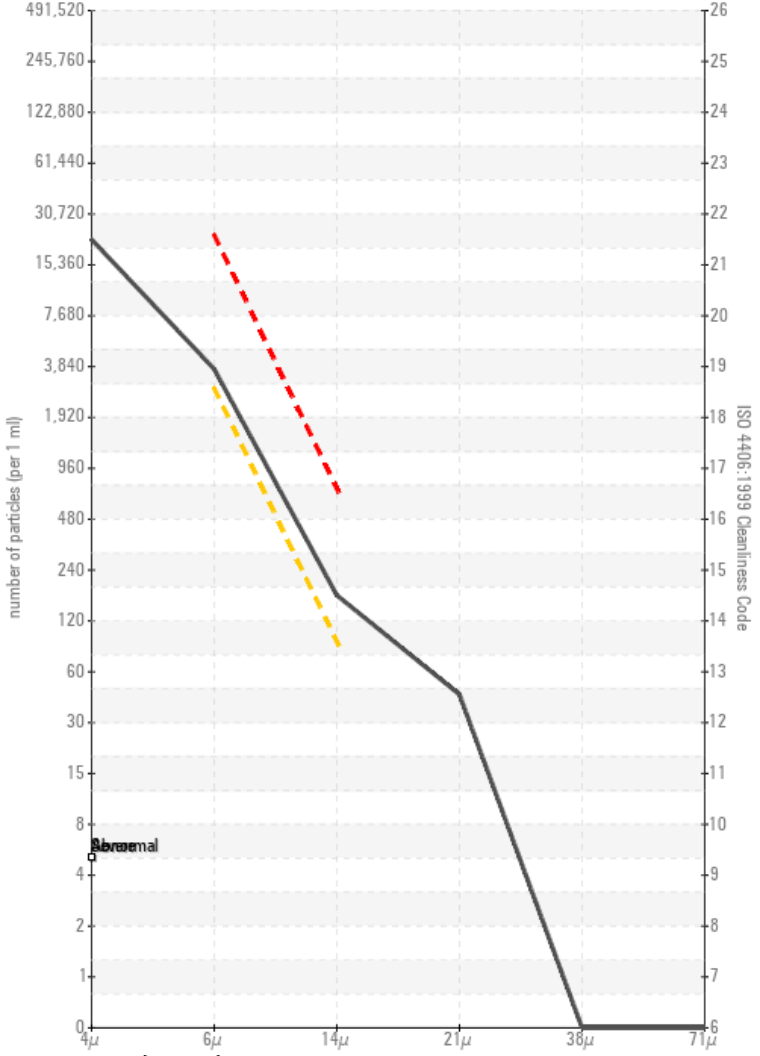
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

