



CONSTRUCTION EQUIPMENT

NOT GIVEN VCP407077 - HYDRAULIC SYSTEM



Sample No: VCP407077
Oil Type: VALVOLINE HD SUPER 10W
Job No:



SAMPLE INFORMATION

Sample Number	VCP407077	---	---	---
Sample Date	19 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

CITY CARTING

221 OLD GATE LN
MILFORD, CT
US 06460
Contact: TAVINS BANKS
tavins@citycart.net
T: (203)223-3885
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 43.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.89	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 77127	---	---	---
Particles >6µm		▲ 35244	---	---	---
Particles >14µm		▲ 3652	---	---	---
ISO 4406:1999 (c)		23/22/19	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---

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. There is a moderate amount of visible silt present in the sample. 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	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1563	---	---	---
Magnesium	ppm	█ 46	---	---	---
Zinc	ppm	█ 951	---	---	---
Phosphorus	ppm	█ 824	---	---	---
Barium	ppm	█ 6	---	---	---
Boron	ppm	█ 12	---	---	---

Depot: CITMILCON
Unique No: 10796630
Signed: Jonathan Hester
Report Date: 22 Dec 2023

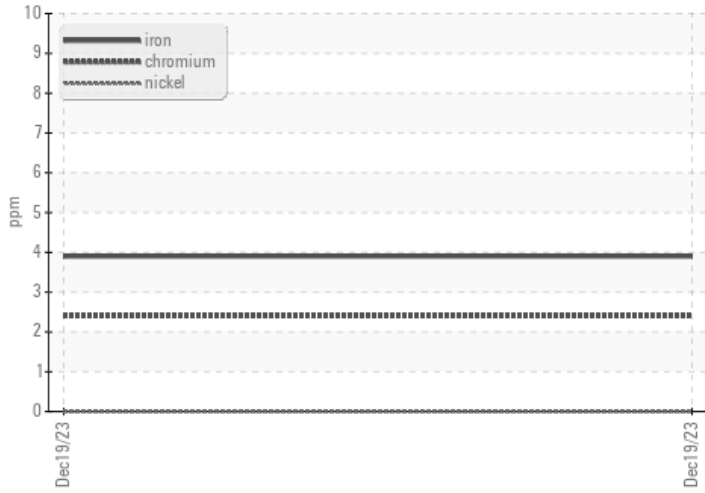


CONSTRUCTION EQUIPMENT

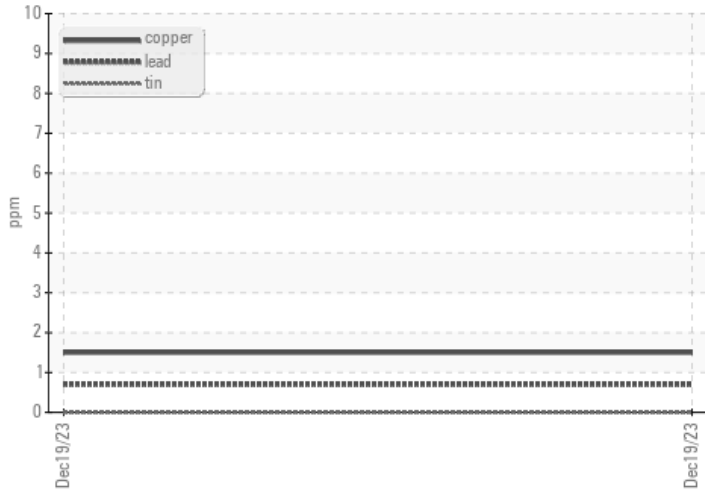


GRAPHS

Ferrous Alloys



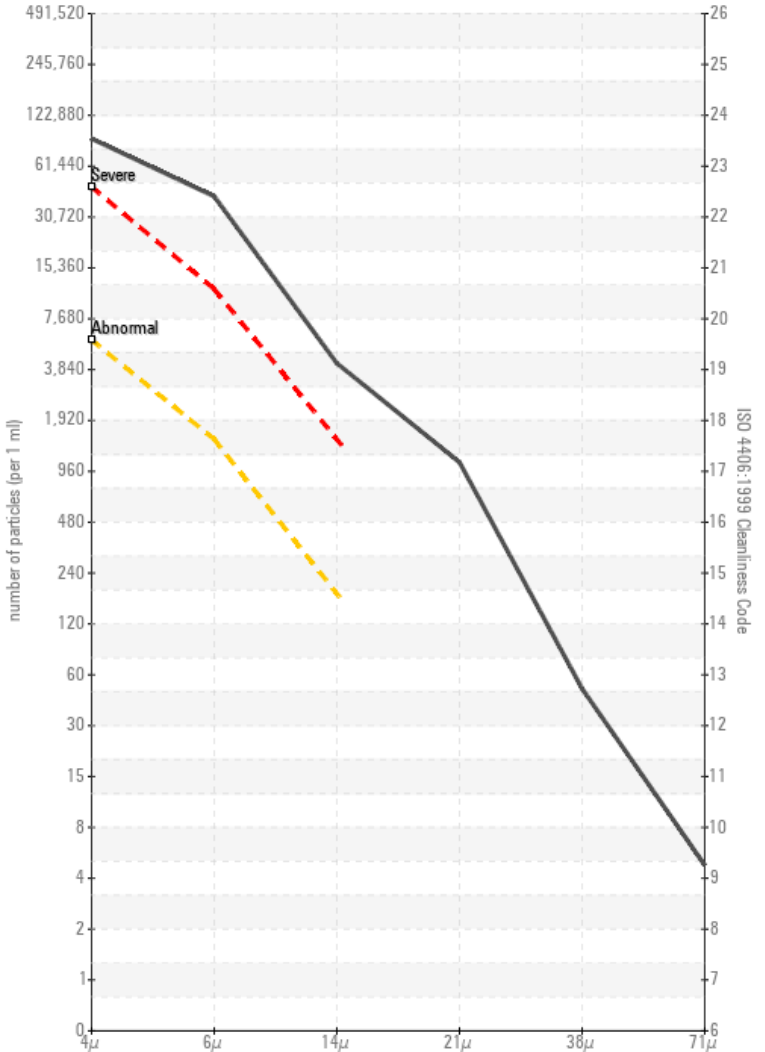
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

