



CONSTRUCTION EQUIPMENT

SPM742835 WASTE MGMT CATERPILLAR 336 DKS10115 - HYDRAULIC SYSTEM



Sample No: VCP446139
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM742835 WASTE MGMT



SAMPLE INFORMATION

Sample Number	VCP446139	---	---	---
Sample Date	08 Jul 2024	---	---	---
Machine Hours	5206	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	■ 38.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.67	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 13019	---	---	---
Particles >6µm		■ 186	---	---	---
Particles >14µm		■ 15	---	---	---
ISO 4406:1999 (c)		21/15/11	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The chromium level is abnormal. The iron level is abnormal. 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 acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 22	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	▲ 31	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 154	---	---	---
Magnesium	ppm	■ 12	---	---	---
Zinc	ppm	■ 815	---	---	---
Phosphorus	ppm	■ 575	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO8885
Unique No: 11129074
Signed: Don Baldrige
Report Date: 20 Jul 2024

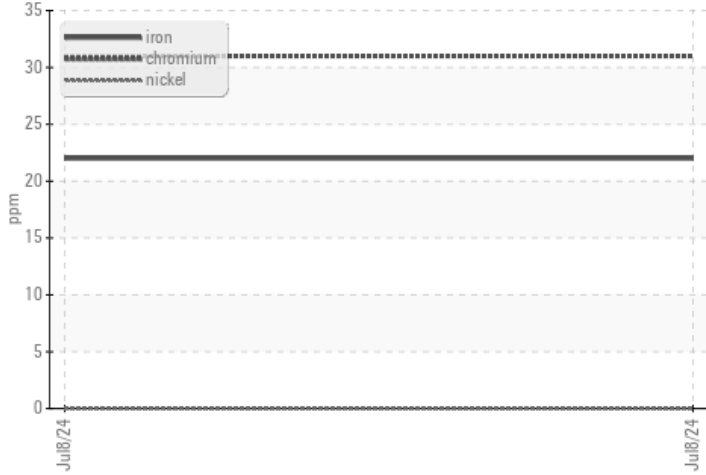


CONSTRUCTION EQUIPMENT

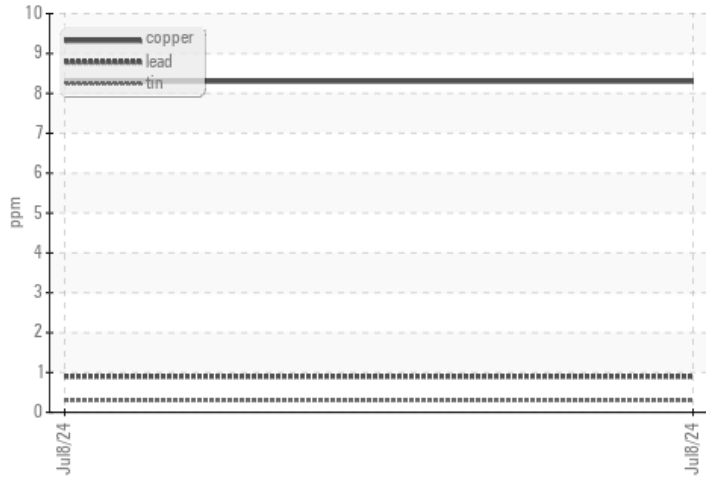


VOLVO GRAPHS

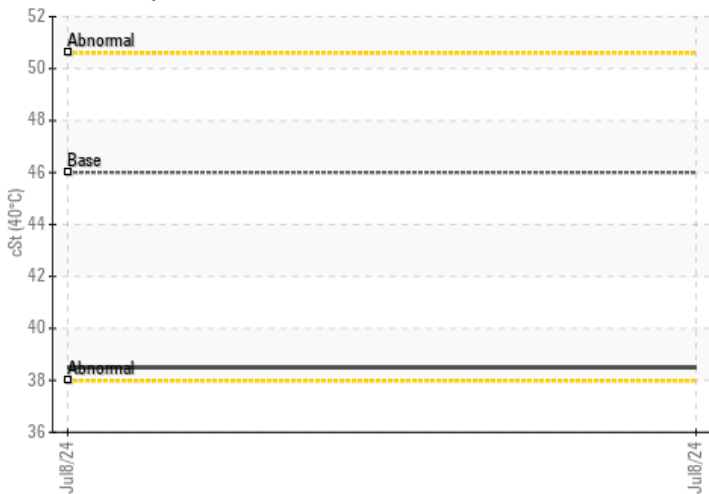
▲ Ferrous Alloys



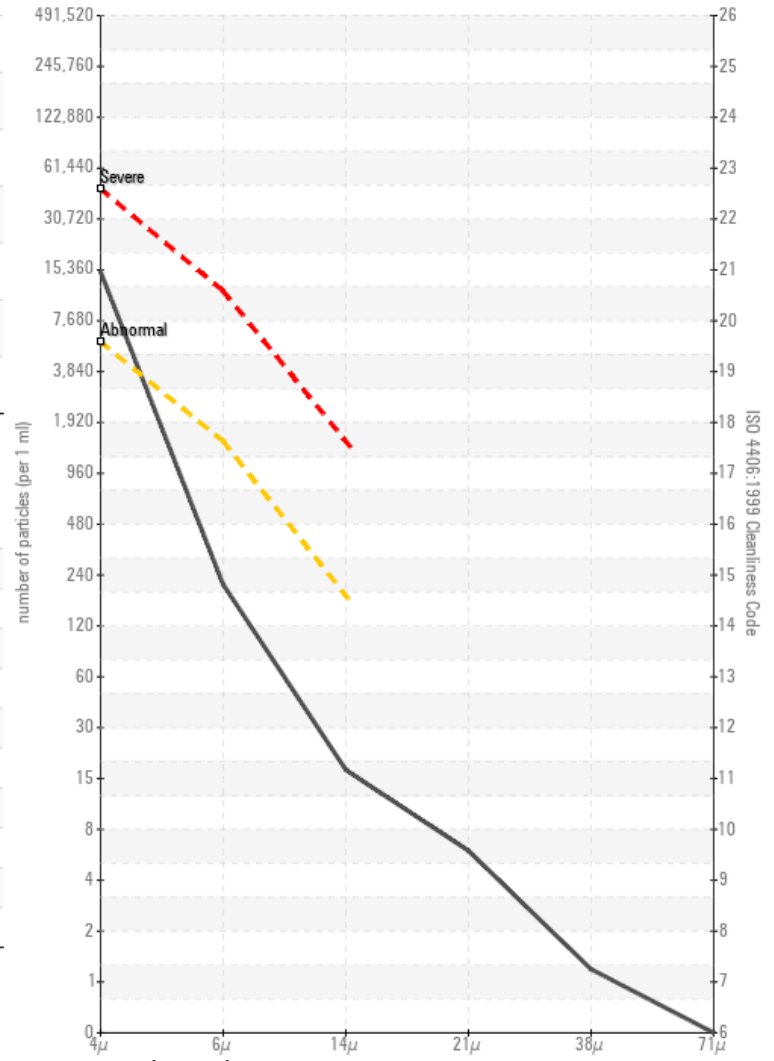
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number

