



CONSTRUCTION EQUIPMENT

635043 US TENT RENT AVANT M528 1044032115 - HYDRAULIC SYSTEM



Sample No: VCP432021
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 635043 US TENT RENT



SAMPLE INFORMATION

Sample Number	VCP432021	VCP411077	---	---
Sample Date	06 Dec 2023	20 Apr 2023	---	---
Machine Hours	823	644	---	---
Oil Hours	400	644	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	█ 44.5	█ 43.0	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	█ 0.32	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 29798	■ 84431	---	---
Particles >6µm		█ 689	▲ 3597	---	---
Particles >14µm		█ 10	█ 7	---	---
ISO 4406:1999 (c)		22/17/10	24/19/10	---	---
Silicon	ppm	█ 6	█ 7	---	---
Sodium	ppm	█ 2	█ 5	---	---
Potassium	ppm	█ 2	█ 2	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	█ 9	█ 17	---	---
Copper	ppm	█ <1	█ 2	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 3	█ <1	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 143	█ 57	---	---
Magnesium	ppm	█ 14	█ 4	---	---
Zinc	ppm	█ 403	█ 447	---	---
Phosphorus	ppm	█ 330	█ 342	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 6	█ 0	---	---

Depot: VOLVO0093
Unique No: 10846182
Signed: Wes Davis
Report Date: 25 Jan 2024

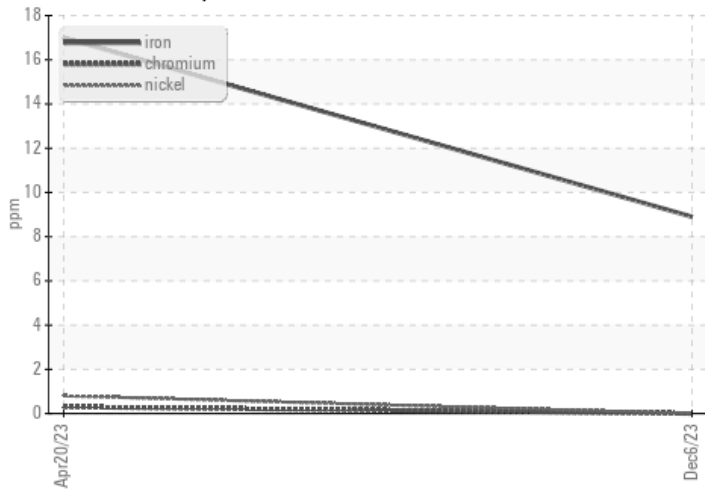


CONSTRUCTION EQUIPMENT

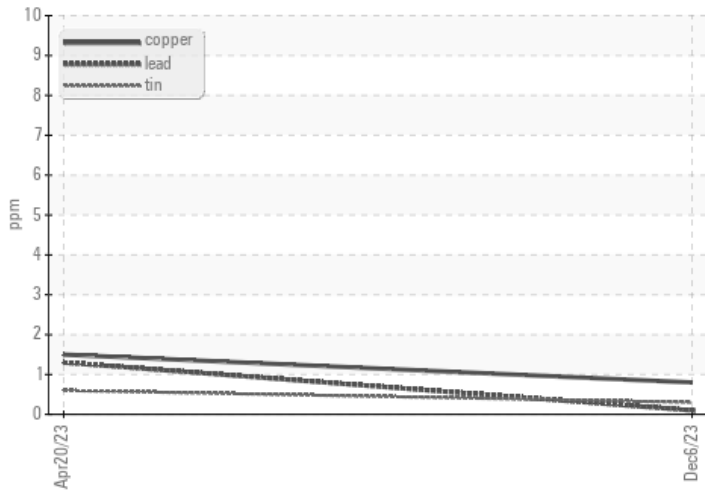


GRAPHS

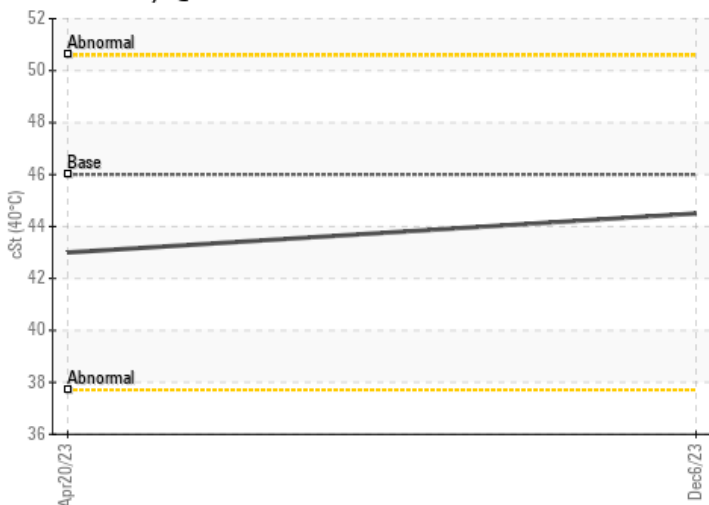
Ferrous Alloys



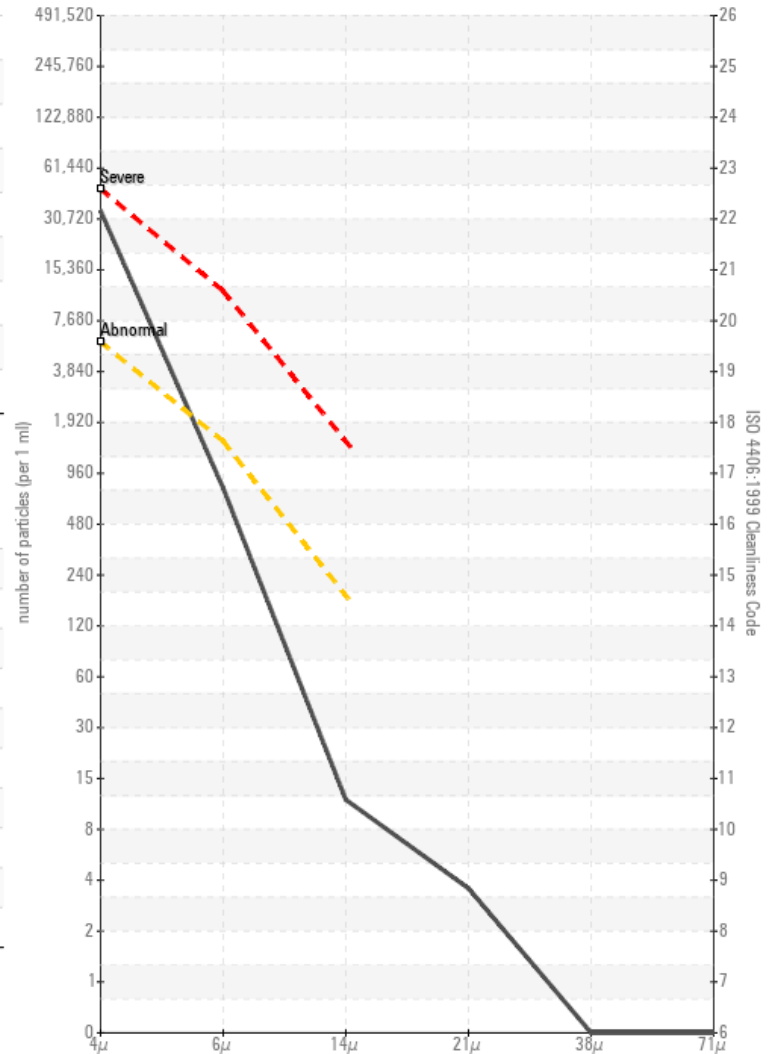
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

