



CONSTRUCTION EQUIPMENT

W07013009-1 SHADE TR AVANT 420 751891450 - HYDRAULIC SYSTEM



Sample No: VCP418128
Oil Type: SHELL HYD
Job No: W07013009-1 SHADE TR



SAMPLE INFORMATION

Sample Number	VCP418128	---	---	---
Sample Date	07 Jul 2023	---	---	---
Machine Hours	1435	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	■ 38.2	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.53	---	---	---



CONTAMINATION

Particles >4µm		▲ 166631	---	---	---
Particles >6µm		▲ 81008	---	---	---
Particles >14µm		▲ 9125	---	---	---
ISO 4406:1999 (c)		25/24/20	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe for time on oil. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	● 118	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	29	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	461	---	---	---
Phosphorus	ppm	393	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLVO8882
Unique No: 10551394
Signed: Don Baldrige
Report Date: 13 Jul 2023

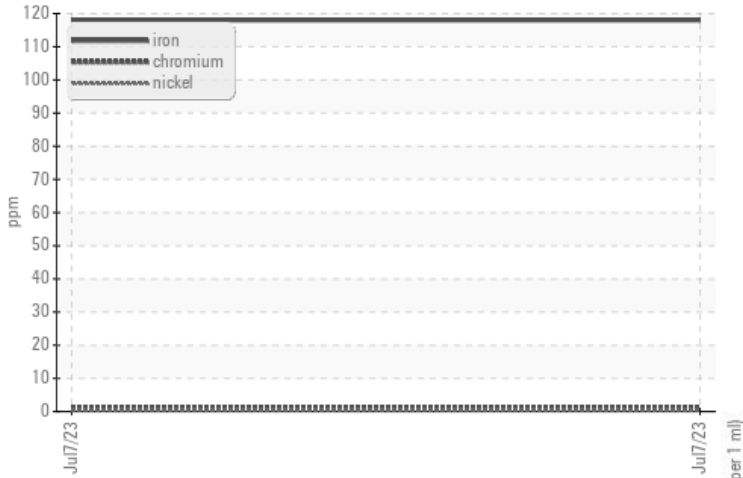


CONSTRUCTION EQUIPMENT

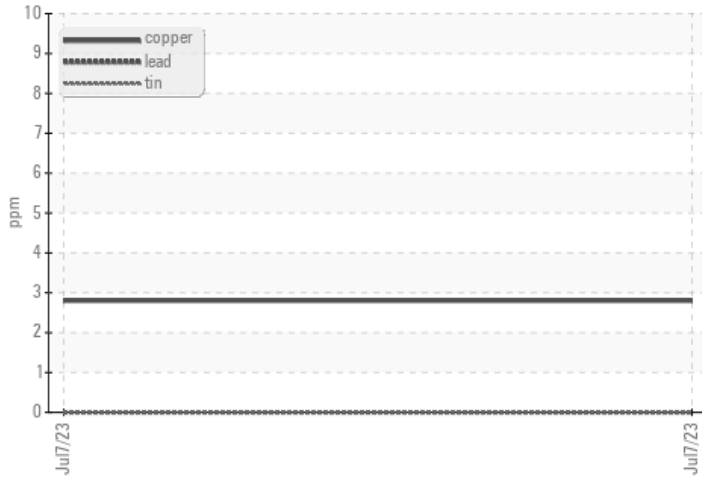


GRAPHS

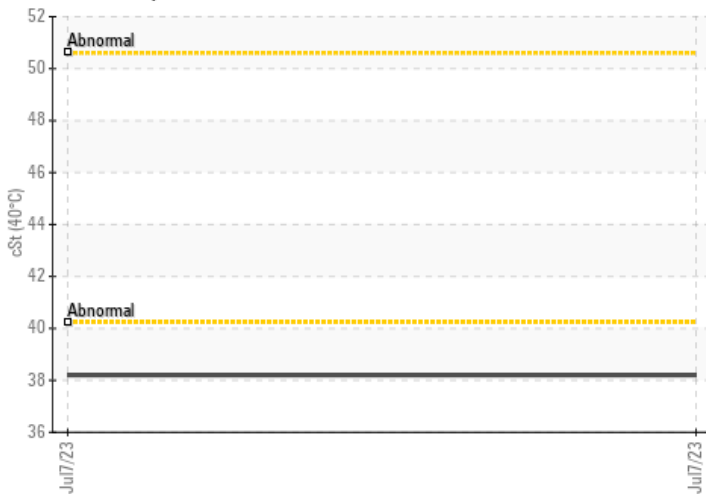
Ferrous Alloys



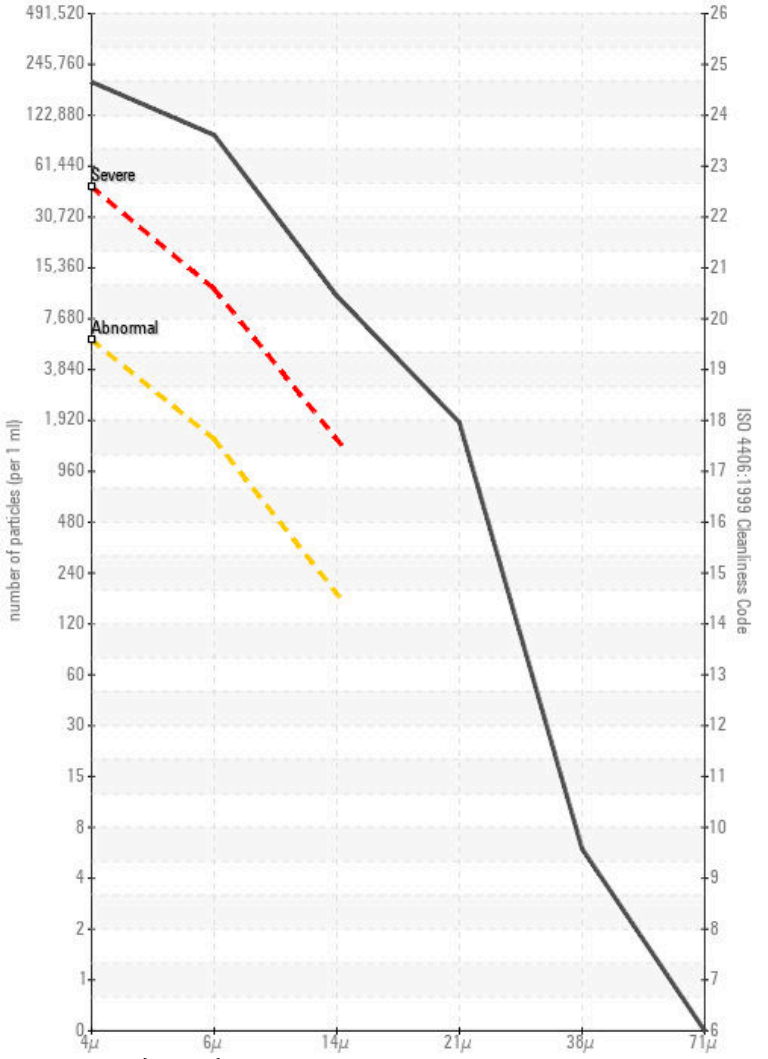
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

