



CONSTRUCTION EQUIPMENT

7582 DUNEMAN VOLVO SD115B 237191 - HYDRAULIC SYSTEM



Sample No: VCP06215745
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 7582 DUNEMAN



SAMPLE INFORMATION

Sample Number	VCP06215745	---	---	---
Sample Date	11 Jun 2024	---	---	---
Machine Hours	762	---	---	---
Oil Hours	762	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

TRI-STATE TRUCK & EQUIP INC MAIN
 PO BOX 1298
 BILLINGS, MT
 US 59103
 Contact: MIKE HOLLIDAY
 mikeh@tste.com
 T: (406)671-2416
 F: (406)238-1501



OIL CONDITION

Visc @ 40°C	cSt	█ 44.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.18	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 87424	---	---	---
Particles >6µm		▲ 23082	---	---	---
Particles >14µm		▲ 201	---	---	---
ISO 4406:1999 (c)		24/22/15	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 5	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. (drive pump failure).All component wear rates are normal. The wear metal levels do not reflect the reported failure. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 114	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 136	---	---	---
Phosphorus	ppm	█ 175	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0104
Unique No: 11088609
Signed: Don Baldrige
Report Date: 22 Jun 2024

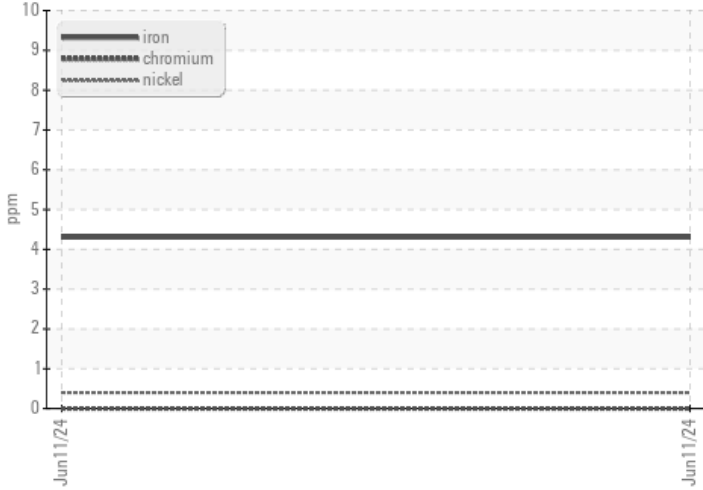


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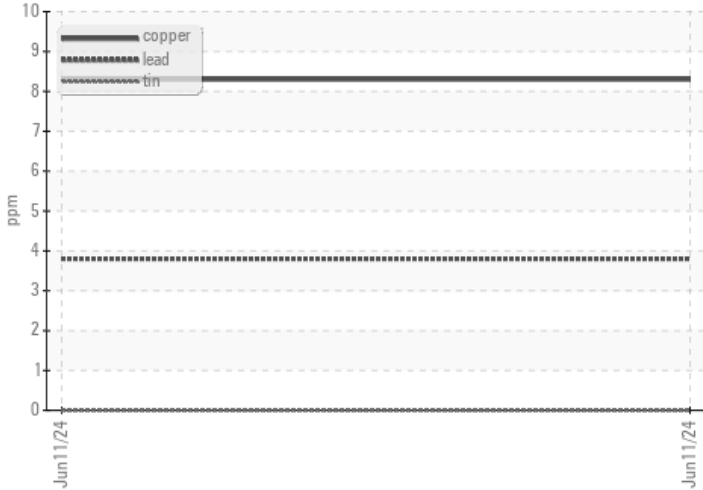


GRAPHS

Ferrous Alloys



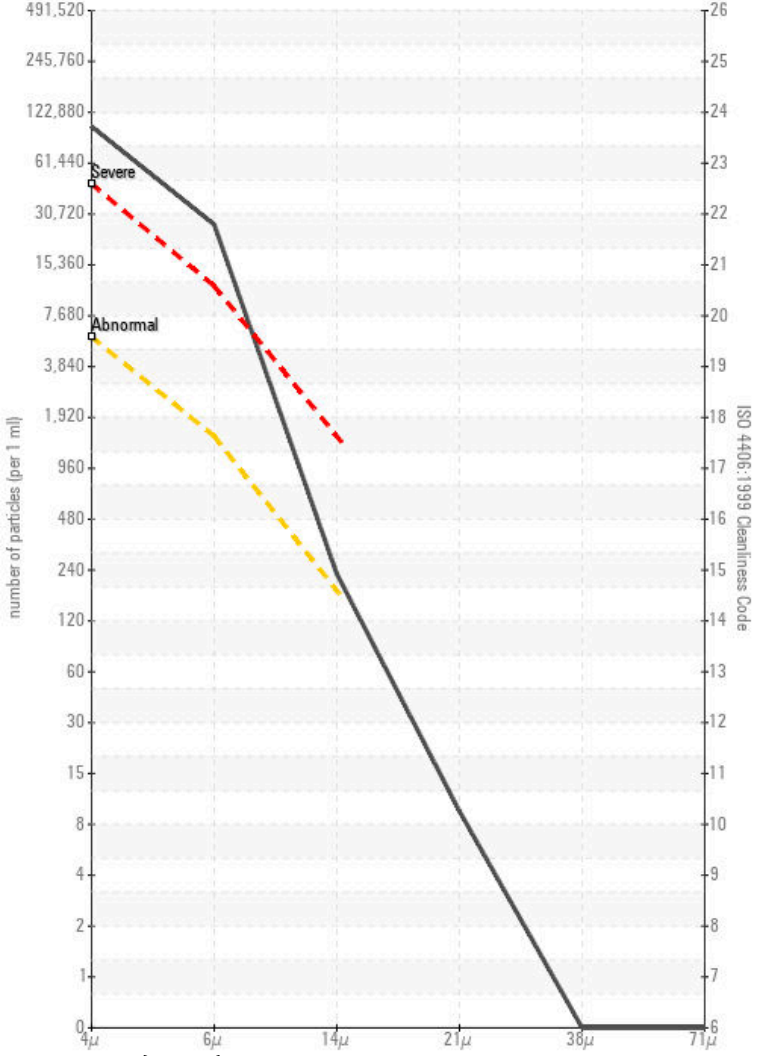
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

