



CONSTRUCTION EQUIPMENT

FORD F550 428 - HYDRAULIC SYSTEM



Sample No: VCP303412

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP303412	---	---	---
Sample Date	18 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

FAIRCHILD BROTHERS
 PO BOX 198
 WINFIELD, PA
 US 17889
 Contact: TOBY STAHL



OIL CONDITION

Visc @ 40°C	cSt	■ 50.8	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.17	---	---	---

T: (570)524-9255
 F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 79153	---	---	---
Particles >6µm		▲ 7299	---	---	---
Particles >14µm		■ 40	---	---	---
ISO 4406:1999 (c)		23/20/12	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	25	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1484	---	---	---
Magnesium	ppm	117	---	---	---
Zinc	ppm	798	---	---	---
Phosphorus	ppm	728	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	138	---	---	---

Depot: FAIWINPA
Unique No: 10845701
Signed: Don Baldrige
Report Date: 25 Jan 2024

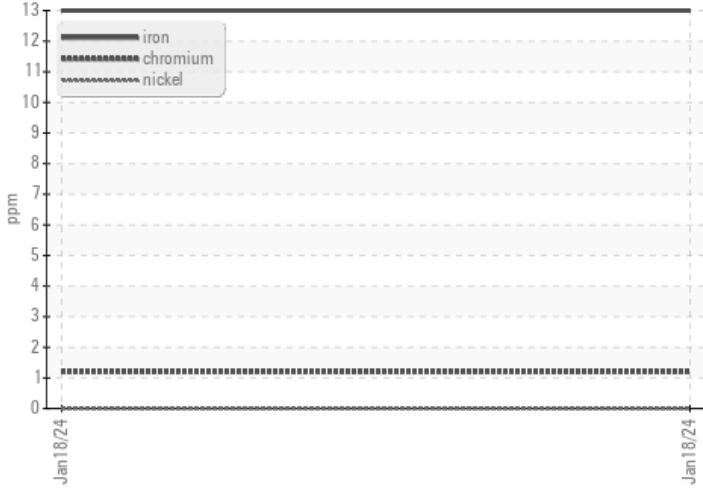


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VOLVO GRAPHS

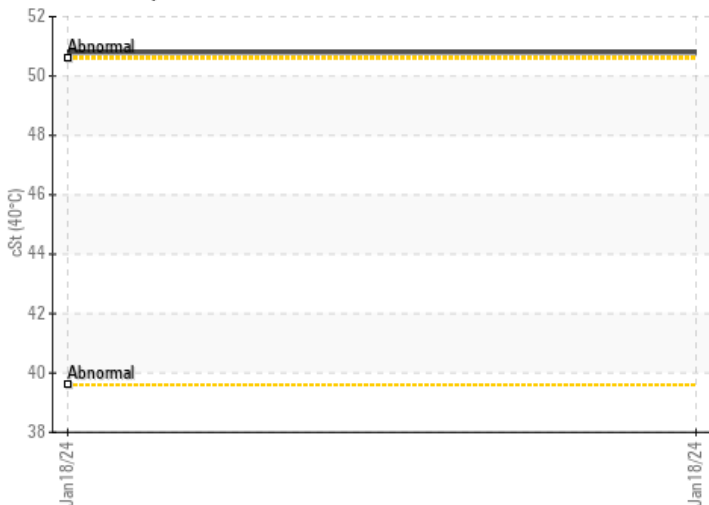
Ferrous Alloys



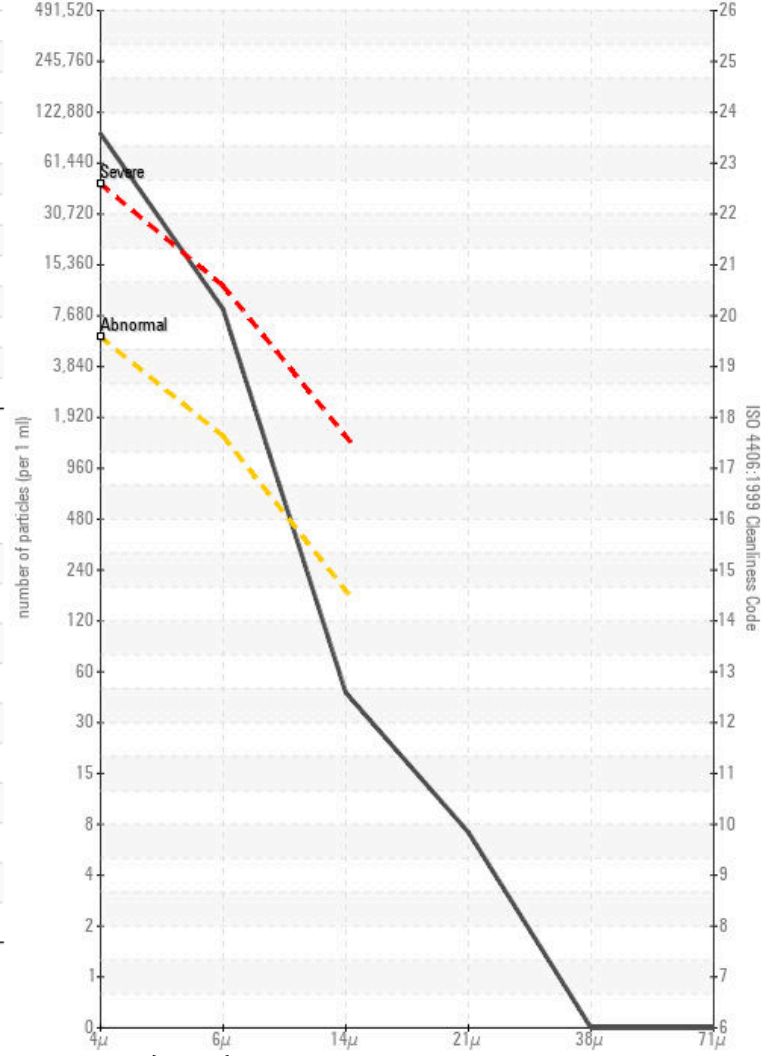
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

