



CONSTRUCTION EQUIPMENT

3635BR NEAL EQUIP TAKEUCHI TB290 185107673 - HYDRAULIC SYSTEM



Sample No: VCP414536
Oil Type: MOBIL HYDRAULIC 10W
Job No: 3635BR NEAL EQUIP



SAMPLE INFORMATION

Sample Number	VCP414536	---	---	---
Sample Date	24 Oct 2023	---	---	---
Machine Hours	1314	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

HIGHWAY EQUIPMENT AND SUPPLY CO
200 BURKHOLDER DR.
EPHRATA, PA
US 17522
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T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 44.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.19	---	---	---

CONTAMINATION

Particles >4µm		█ 1468	---	---	---
Particles >6µm		█ 406	---	---	---
Particles >14µm		█ 32	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	█ 4	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 159	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 138	---	---	---
Phosphorus	ppm	█ 321	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: INSEPH
Unique No: 10714233
Signed: Don Baldrige
Report Date: 30 Oct 2023

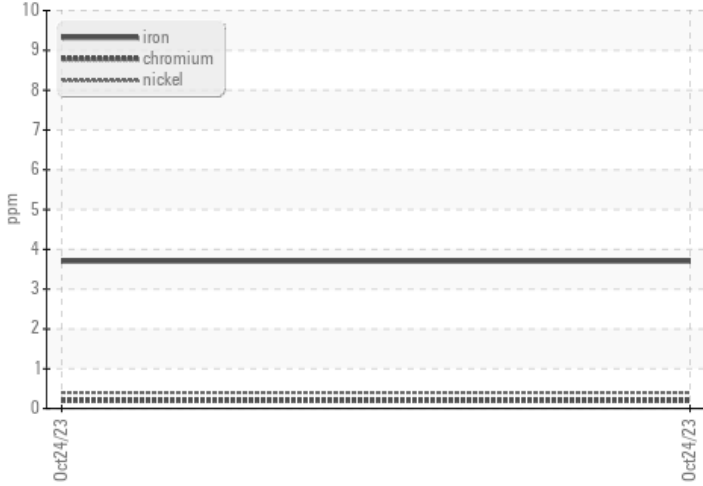


CONSTRUCTION EQUIPMENT

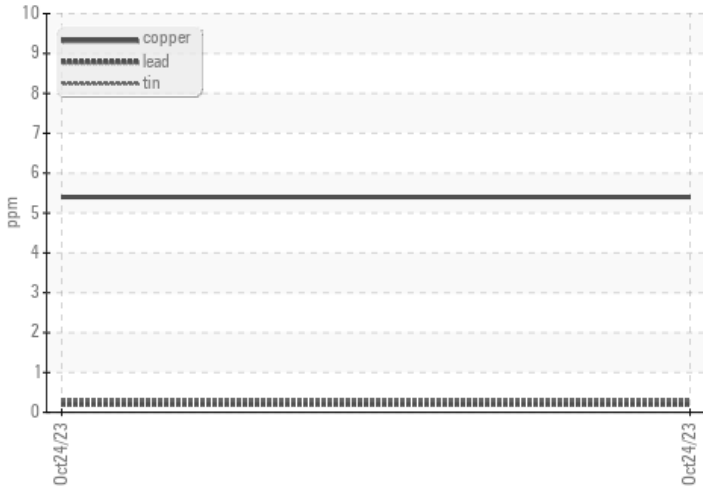


VOLVO GRAPHS

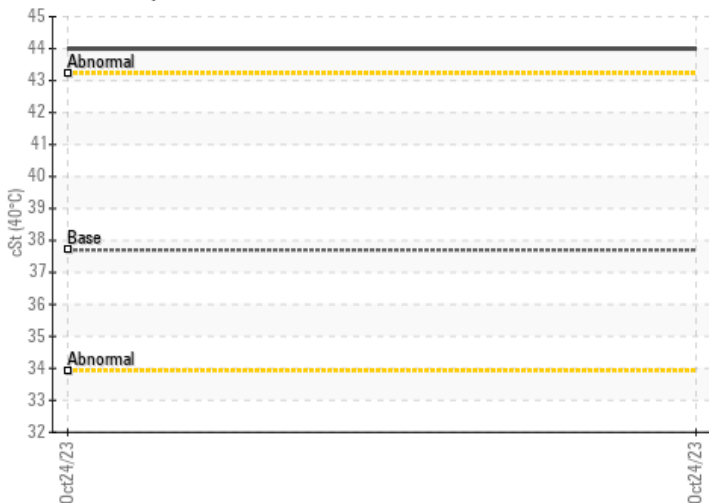
Ferrous Alloys



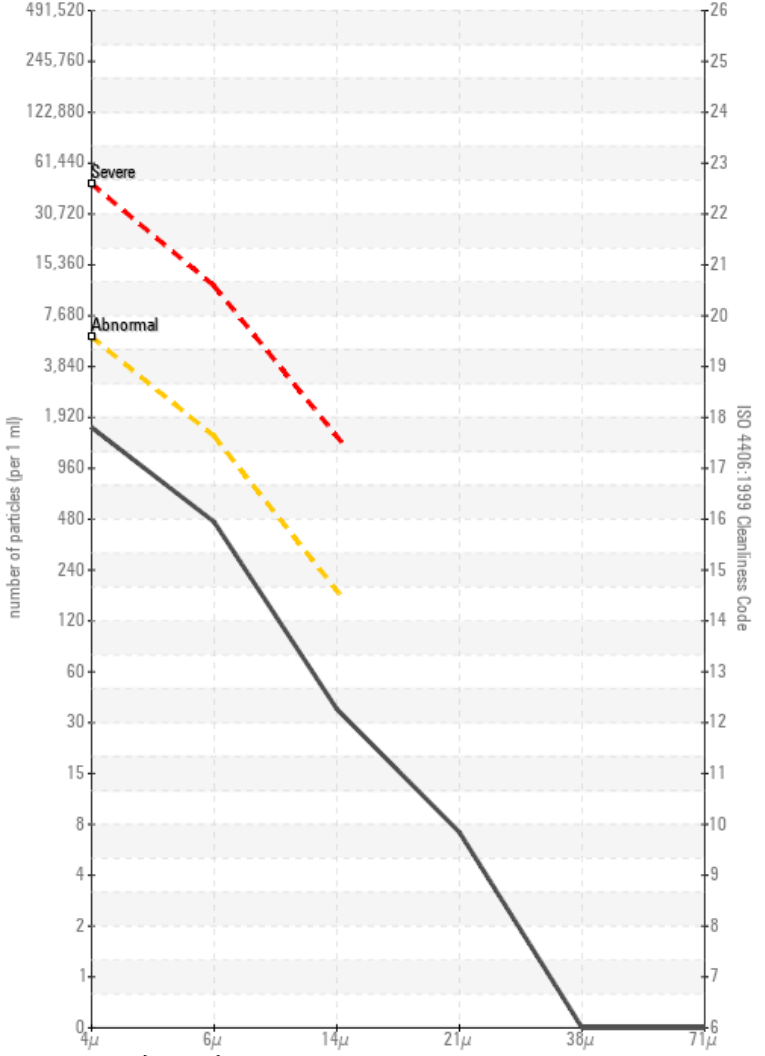
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

