



CONSTRUCTION EQUIPMENT

KOMATSU WA500-8 WP7225 - HYDRAULIC SYSTEM



Sample No: VCP443411
Oil Type: KOMATSU TO-10W
Job No:



SAMPLE INFORMATION

Sample Number	VCP443411	---	---	---
Sample Date	04 Jun 2024	---	---	---
Machine Hours	9426	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

LEGACY MATERIALS
 5740 UTE CT
 VAN METER, IA
 US 50038
 Contact: ALEX
 qc@legacymaterials.org
 T: (641)840-1326
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 46.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.89	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 2928	---	---	---
Particles >6µm		█ 576	---	---	---
Particles >14µm		█ 30	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
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 system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	1993	---	---	---
Magnesium	ppm	18	---	---	---
Zinc	ppm	928	---	---	---
Phosphorus	ppm	800	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LEGVAN
Unique No: 11075176
Signed: Wes Davis
Report Date: 13 Jun 2024

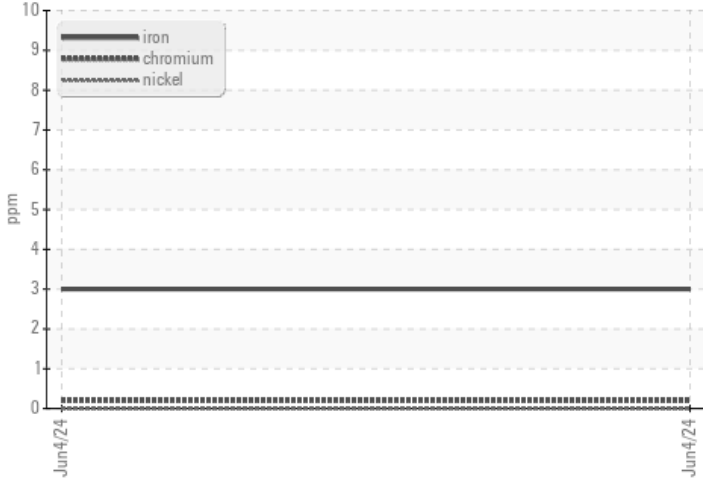


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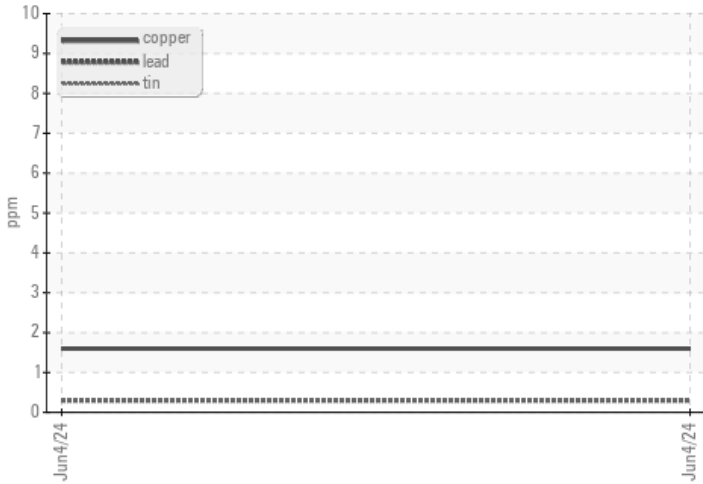


GRAPHS

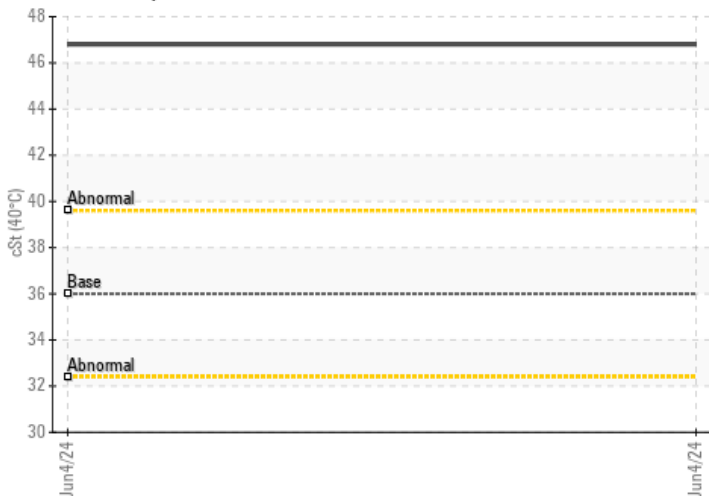
Ferrous Alloys



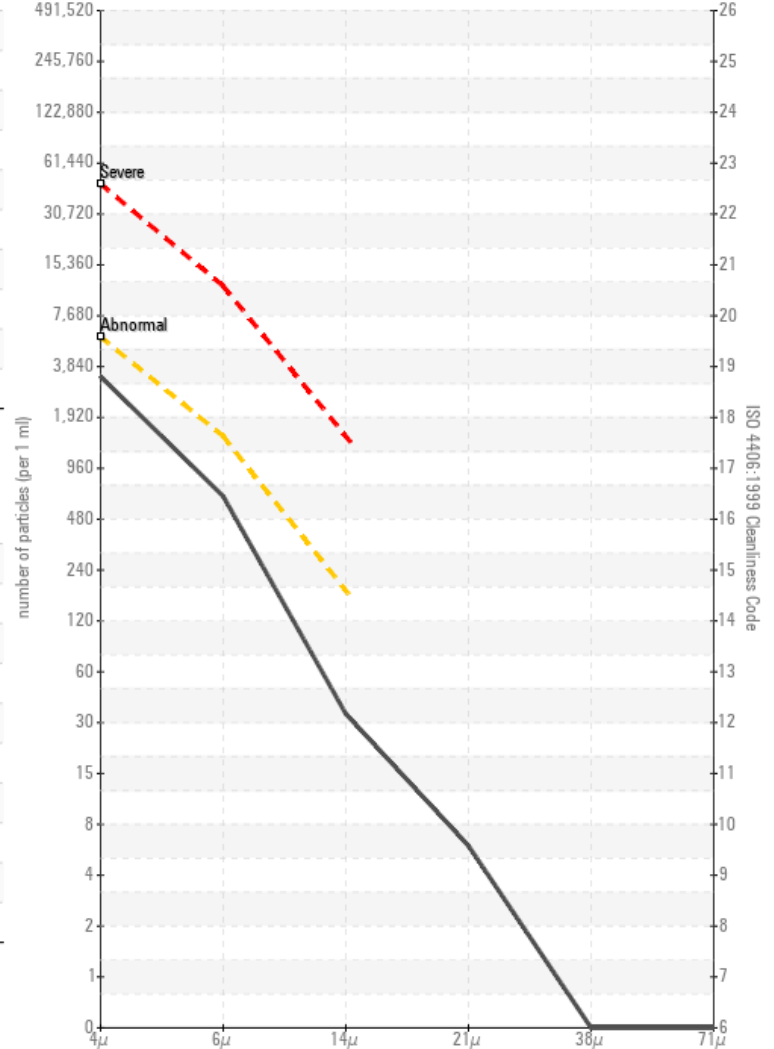
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

