

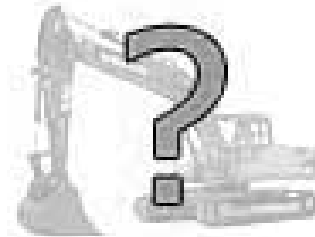


CONSTRUCTION EQUIPMENT

SPM567740 TAKEUCHI TK12R2 412102339 - HYDRAULIC SYSTEM



Sample No: VCP422835
Oil Type: DIESEL ENGINE OIL SAE 10W30
Job No: SPM567740



SAMPLE INFORMATION

Sample Number	VCP422835	VCP289845	---	---
Sample Date	30 Jun 2023	03 Mar 2021	---	---
Machine Hours	1072	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

JOHN KENO & CO

750 RICARD LN
 ELK GROVE VILLAGE, IL
 US 60007

Contact: LUKAS DECKER
 ldecke@johnkeno.com
 T: (847)340-2432
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 44.0	█ 45.5	---	---
Acid Number (AN)	mg KOH/g	█ 0.69	█ 0.436	---	---



CONTAMINATION

Particles >4µm	█ 3991	▲ 15906	---	---	
Particles >6µm	█ 602	▲ 3552	---	---	
Particles >14µm	█ 23	▲ 224	---	---	
ISO 4406:1999 (c)	19/16/12	21/19/15	---	---	
Silicon	ppm	█ 6	█ 6	---	---
Sodium	ppm	█ 3	█ 0	---	---
Potassium	ppm	█ 2	█ <1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 9	█ 6	---	---
Copper	ppm	█ 9	█ 6	---	---
Lead	ppm	█ 1	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 18	█ 18	---	---
Nickel	ppm	█ <1	0	---	---
Titanium	ppm	█ 0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 3120	█ 3511	---	---
Magnesium	ppm	█ 31	█ 29	---	---
Zinc	ppm	█ 752	█ 782	---	---
Phosphorus	ppm	█ 596	█ 666	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 24	█ 26	---	---

Depot: JOHELK
Unique No: 10548649
Signed: Jonathan Hester
Report Date: 12 Jul 2023

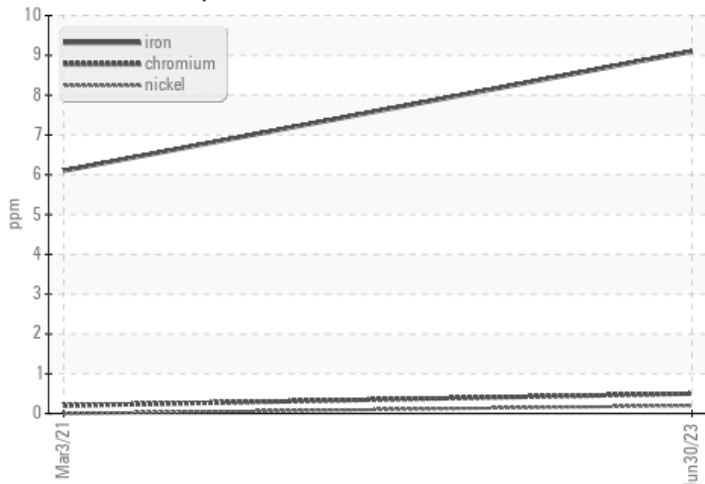


CONSTRUCTION EQUIPMENT

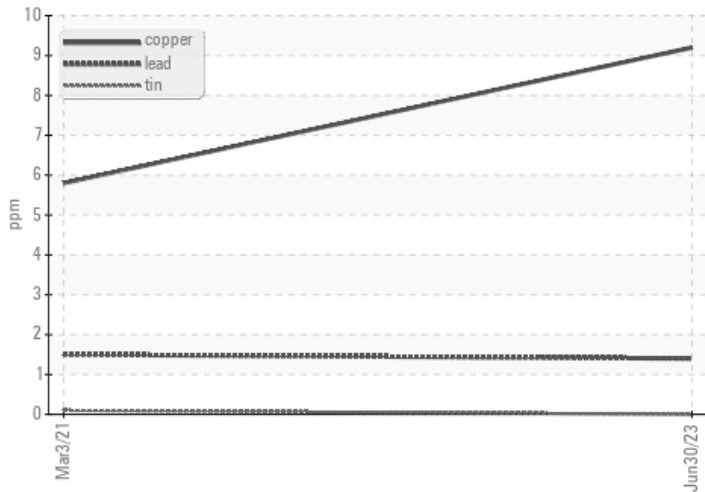


GRAPHS

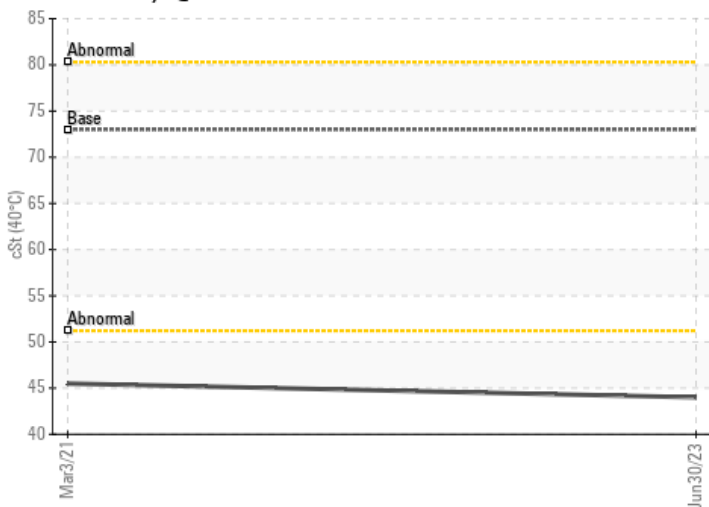
Ferrous Alloys



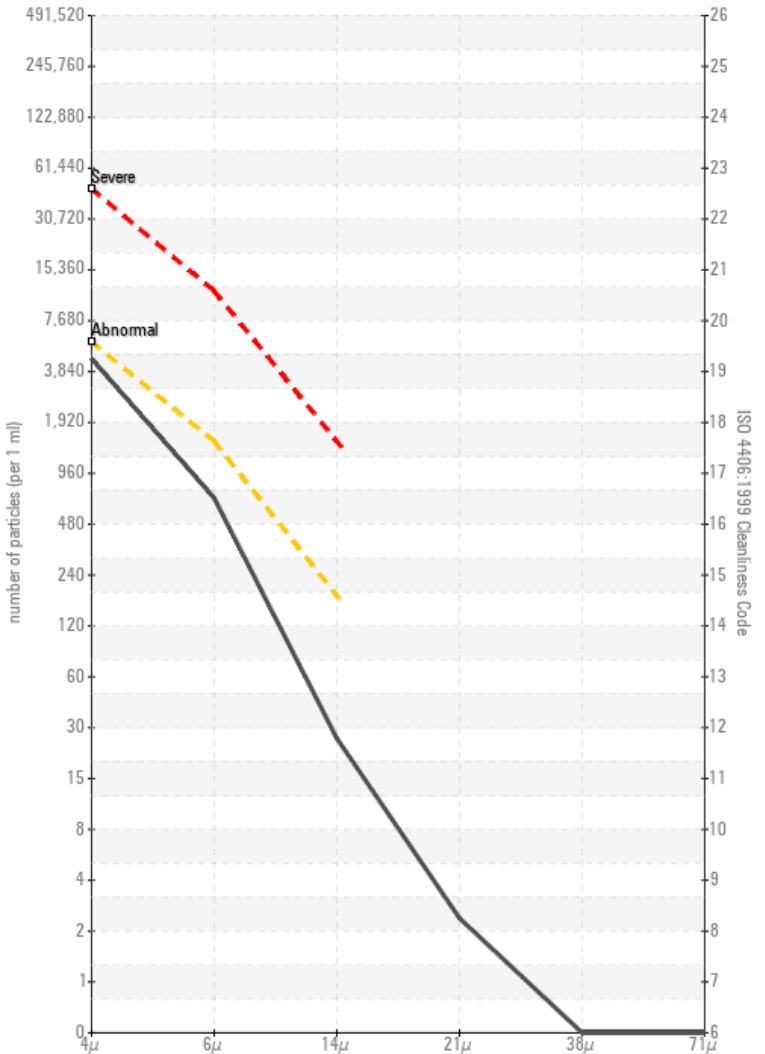
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

