



CONSTRUCTION EQUIPMENT

KOMATSU PC490LC A41339 - HYDRAULIC SYSTEM



Sample No: VCP312381
Oil Type: AW HYDRAULIC OIL ISO 10
Job No:



SAMPLE INFORMATION

Sample Number	VCP312381	---	---	---
Sample Date	01 Sep 2021	---	---	---
Machine Hours	3027	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

JOHN KENO & CO
 750 RICARD LN
 ELK GROVE VILLAGE, IL
 US 60007
 Contact: LUKAS DECKER
 ldecker@johnkeno.com
 T: (847)340-2432
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 44.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.395	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 18001	---	---	---
Particles >6µm		▲ 2068	---	---	---
Particles >14µm		█ 47	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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	█ 17	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 59	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 136	---	---	---
Phosphorus	ppm	█ 206	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: JOHELK
Unique No: 9660479
Signed: Don Baldrige
Report Date: 19 Sep 2021

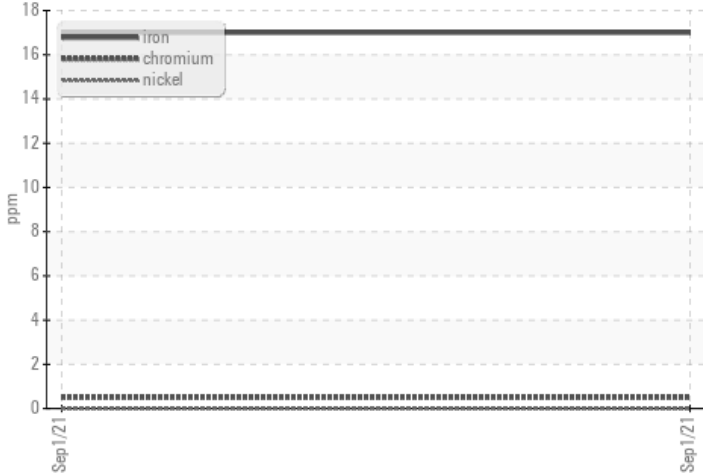


CONSTRUCTION EQUIPMENT

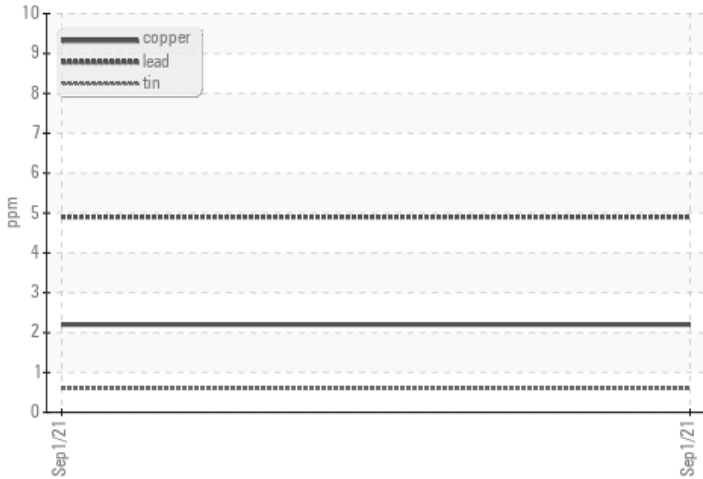


VOLVO GRAPHS

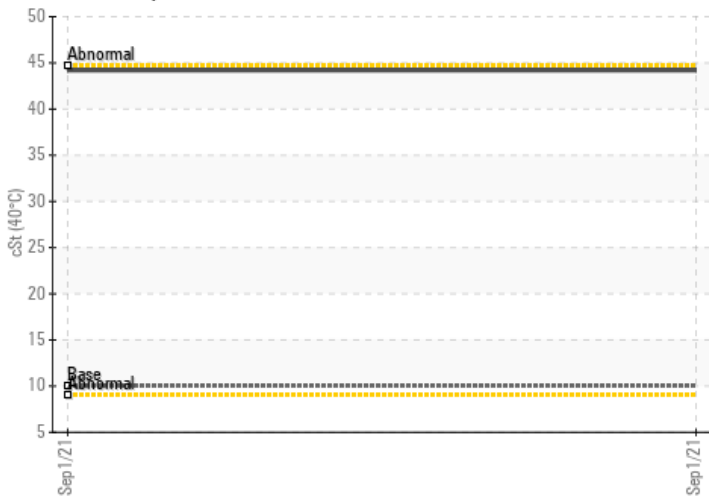
Ferrous Alloys



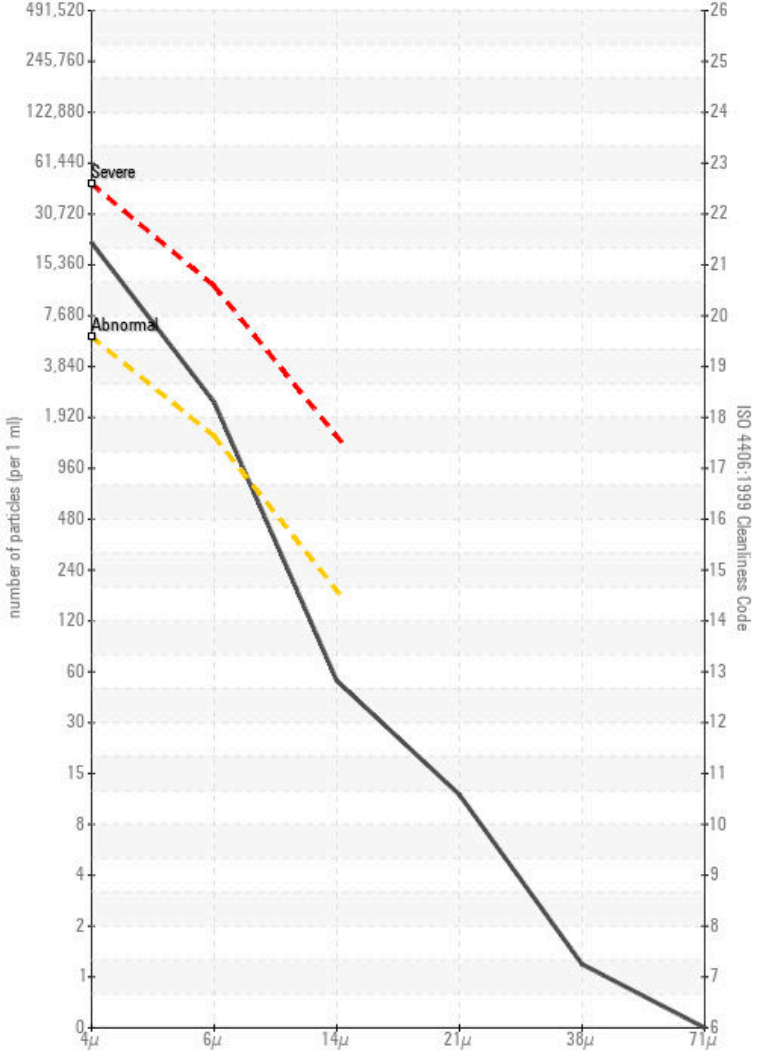
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

