



CONSTRUCTION EQUIPMENT

X57615 KOBELCO CK1 100 GH05-04032 - HYDRAULIC SYSTEM



Sample No: VCP413460

Oil Type: NOT GIVEN

Job No: X57615



SAMPLE INFORMATION

Sample Number	VCP413460	---	---	---
Sample Date	09 Aug 2023	---	---	---
Machine Hours	61537	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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 dcorvers@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970

OIL CONDITION

Visc @ 40°C	cSt	█ 44.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.26	---	---	---

CONTAMINATION

Particles >4µm	█ 67080	---	---	---	
Particles >6µm	█ 22611	---	---	---	
Particles >14µm	▲ 1092	---	---	---	
ISO 4406:1999 (c)	23/22/17	---	---	---	
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	41	---	---	---
Magnesium	ppm	16	---	---	---
Zinc	ppm	292	---	---	---
Phosphorus	ppm	259	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: SCOSAI
Unique No: 10604743
Signed: Wes Davis
Report Date: 16 Aug 2023

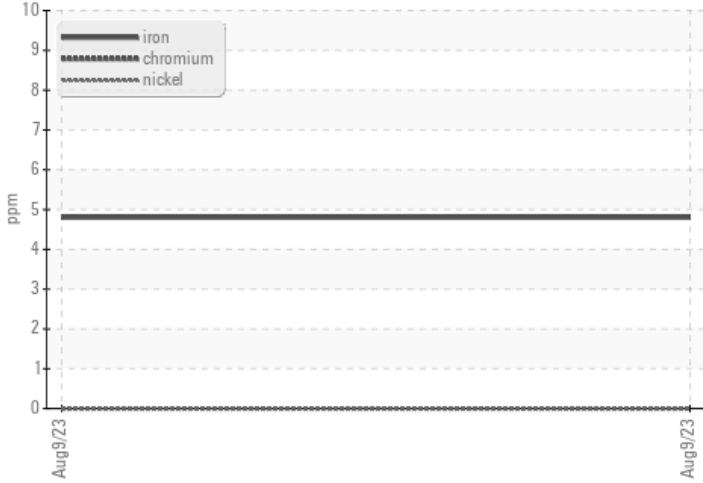


CONSTRUCTION EQUIPMENT

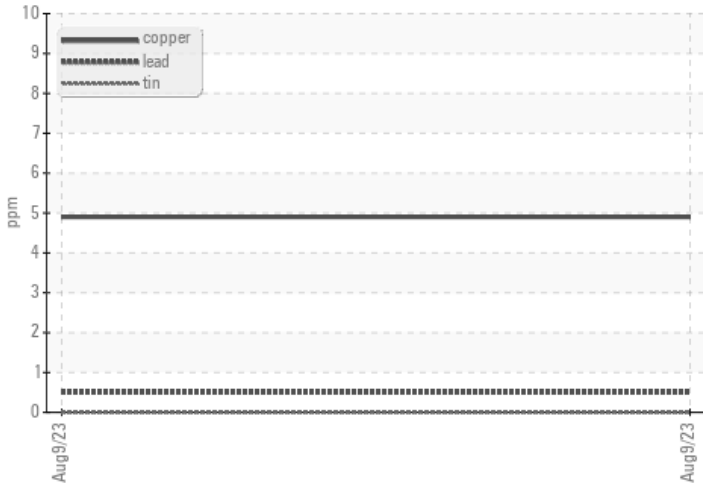


VOLVO GRAPHS

Ferrous Alloys



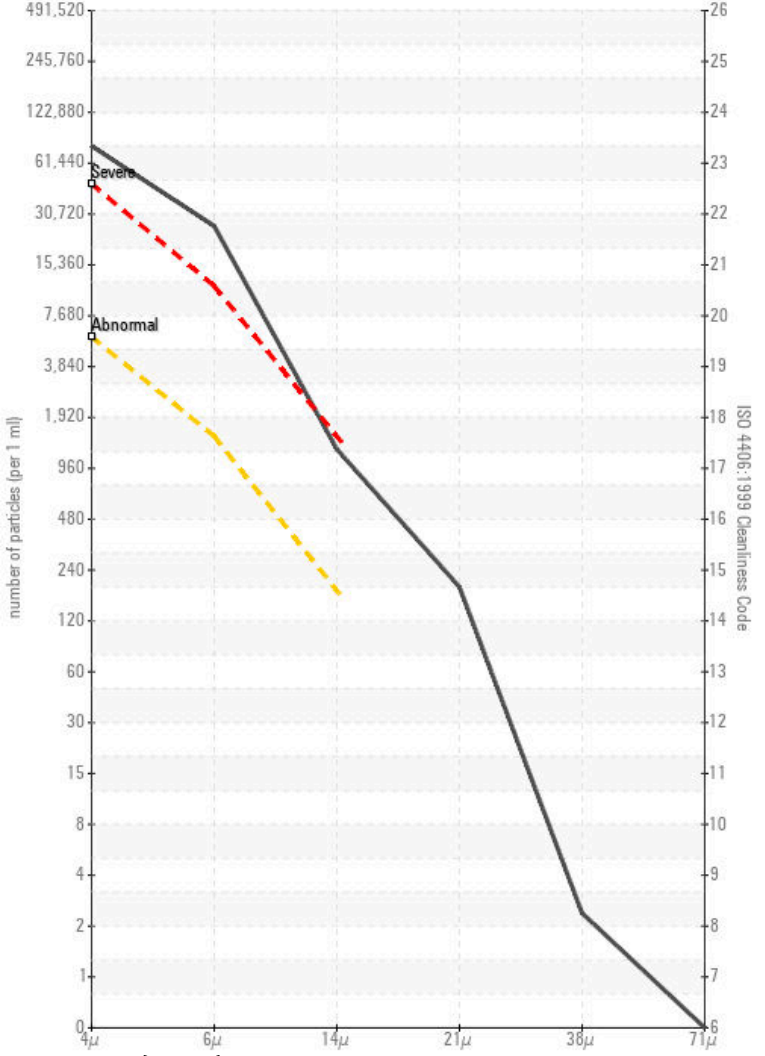
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

