



CONSTRUCTION EQUIPMENT

SWA297325 RENTAL KAWASAKI 115ZV-2 11C5-5220 - HYDRAULIC SYSTEM



Sample No: VCP440587
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWA297325 RENTAL



SAMPLE INFORMATION

Sample Number	VCP440587	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	8191	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 42.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.55	---	---	---



CONTAMINATION

Water	%	▲ 0.130	---	---	---
Particles >4µm		▲ 51987	---	---	---
Particles >6µm		▲ 2292	---	---	---
Particles >14µm		█ 59	---	---	---
ISO 4406:1999 (c)		23/18/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

The oil 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. There is a light concentration of water 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	█ 18	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 294	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 582	---	---	---
Phosphorus	ppm	█ 543	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 17	---	---	---

Depot: VOLVO8885
Unique No: 10728817
Signed: Jonathan Hester
Report Date: 14 Nov 2023

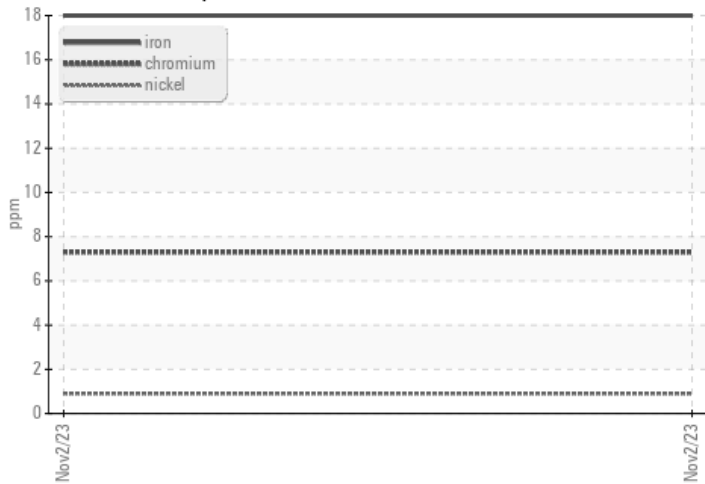


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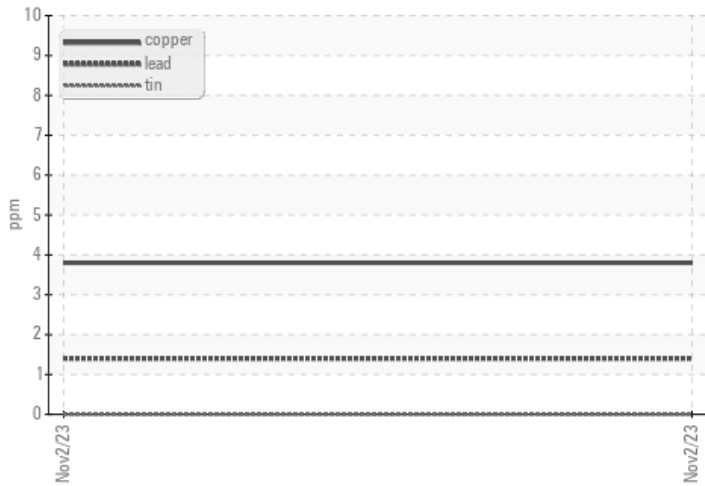


GRAPHS

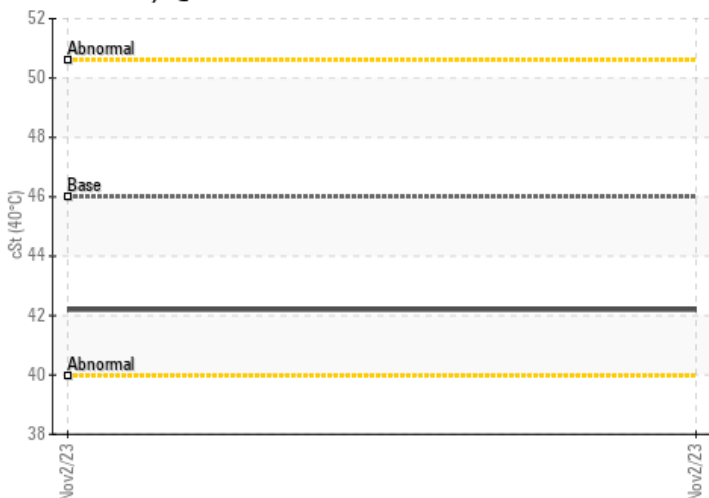
Ferrous Alloys



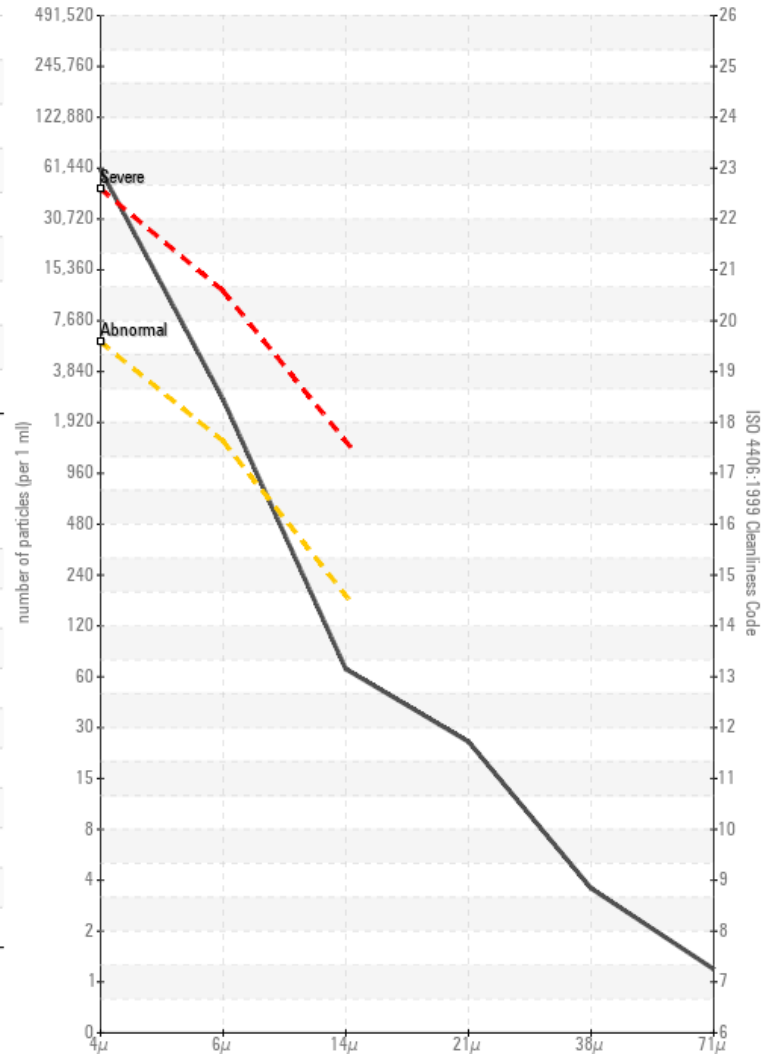
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

