



CONSTRUCTION EQUIPMENT

KING KURB LEEBOY PF 101C 104523 - HYDRAULIC SYSTEM



Sample No: VCP379140
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: KING KURB



SAMPLE INFORMATION

Sample Number	VCP379140	---	---	---
Sample Date	30 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	150	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 56195 PONTIAC TRAIL
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OIL CONDITION

Visc @ 40°C	cSt	▲ 32.84	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.52	---	---	---

CONTAMINATION

Water	%	▲ 0.839	---	---	---
Particles >4µm		■ 1844	---	---	---
Particles >6µm		■ 1005	---	---	---
Particles >14µm		▲ 171	---	---	---
ISO 4406:1999 (c)		18/17/15	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates present in the oil. There is a high concentration of water present in the oil. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 112	---	---	---
Magnesium	ppm	■ 8	---	---	---
Zinc	ppm	■ 447	---	---	---
Phosphorus	ppm	■ 395	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO2990
Unique No: 10728816
Signed: Jonathan Hester
Report Date: 14 Nov 2023

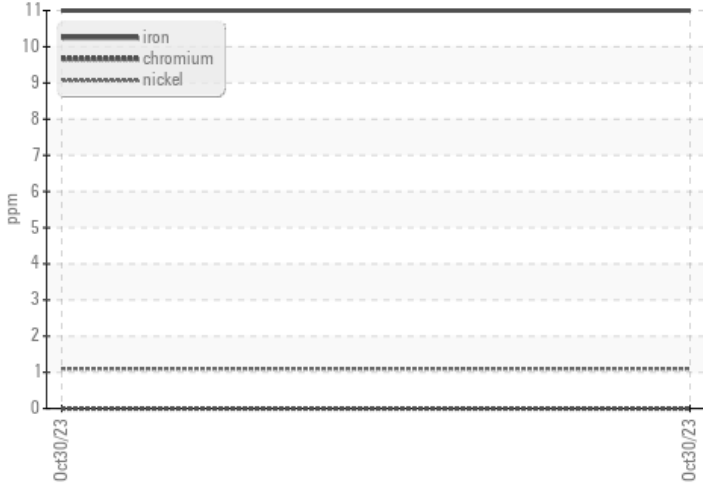


CONSTRUCTION EQUIPMENT

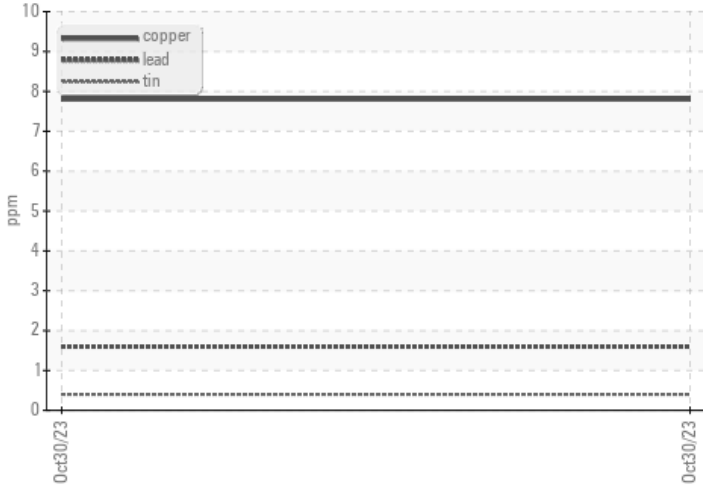


GRAPHS

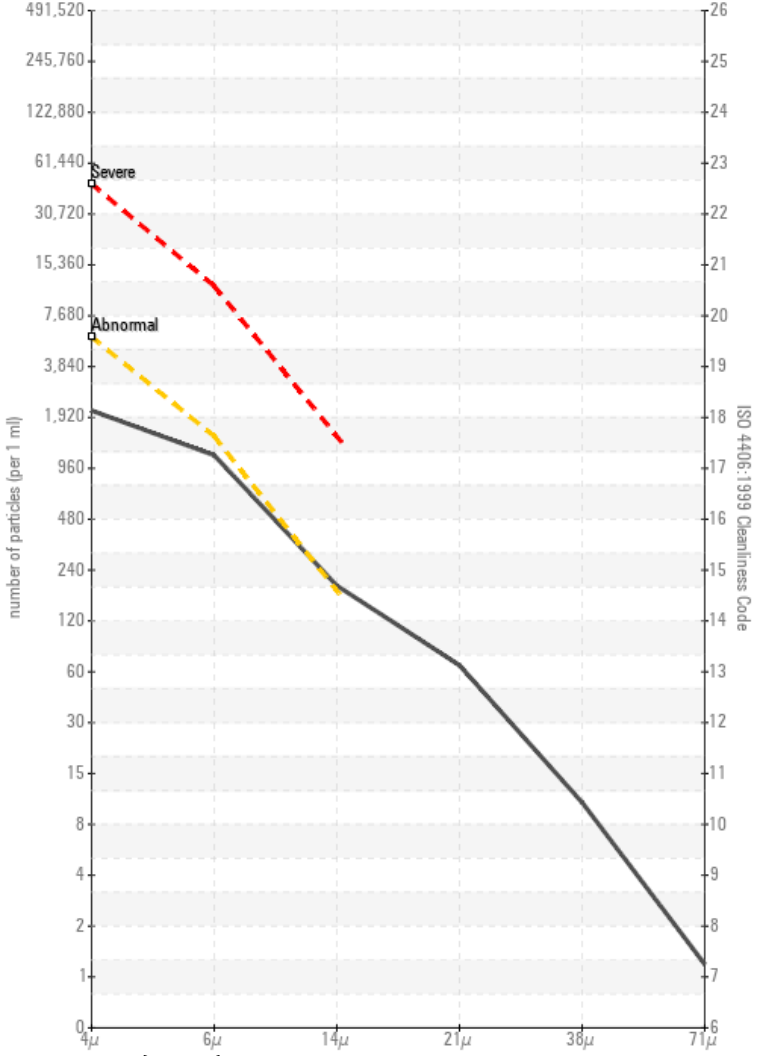
Ferrous Alloys



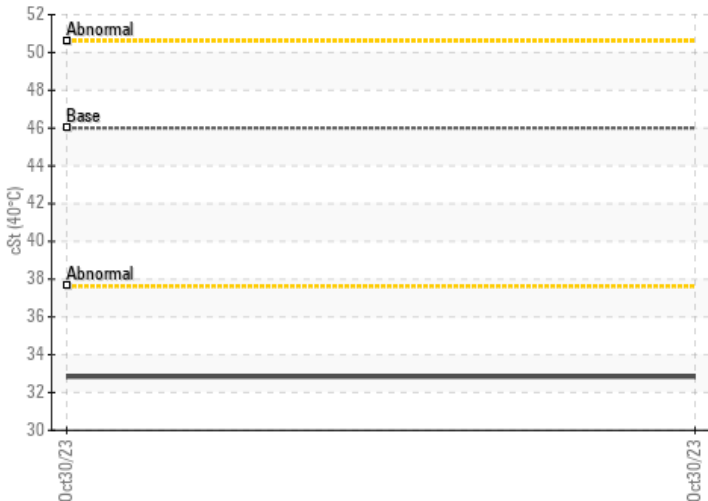
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

