



CONSTRUCTION EQUIPMENT

KENWORTH T270 7319 - HYDRAULIC SYSTEM



Sample No: VCP408559
Oil Type: VOLVO SUPER TRANSMISSION OIL SAE 30
Job No:



SAMPLE INFORMATION

Sample Number	VCP408559	---	---	---
Sample Date	22 May 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	6000	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - SALEM
 2025 COOK DRIVE
 SALEM, VA
 US 24153
 Contact: SCOTT CARR
 scarr@mcclung-logan.com
 T: (540)418-5218
 F:

OIL CONDITION

Visc @ 40°C	cSt	▲ 45.6	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.30	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 32992	---	---	---
Particles >6µm		▲ 5780	---	---	---
Particles >14µm		▲ 305	---	---	---
ISO 4406:1999 (c)		22/20/15	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

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

ADDITIVES

Calcium	ppm	▲ 49	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	▲ 464	---	---	---
Phosphorus	ppm	▲ 332	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO9010
Unique No: 10484347
Signed: Don Baldrige
Report Date: 25 May 2023

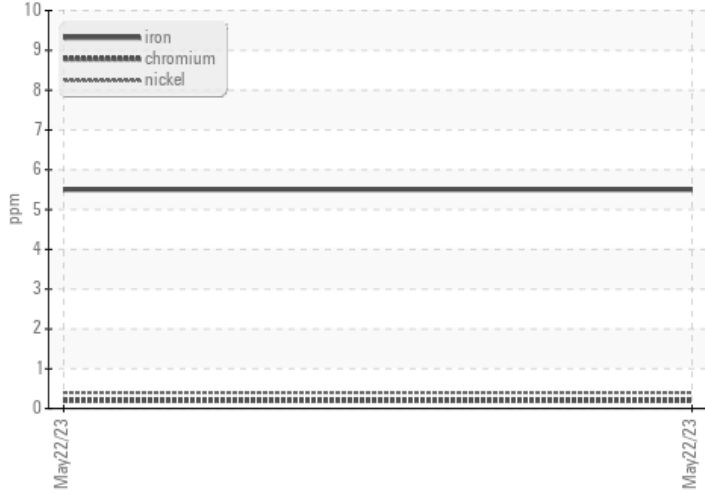


CONSTRUCTION EQUIPMENT

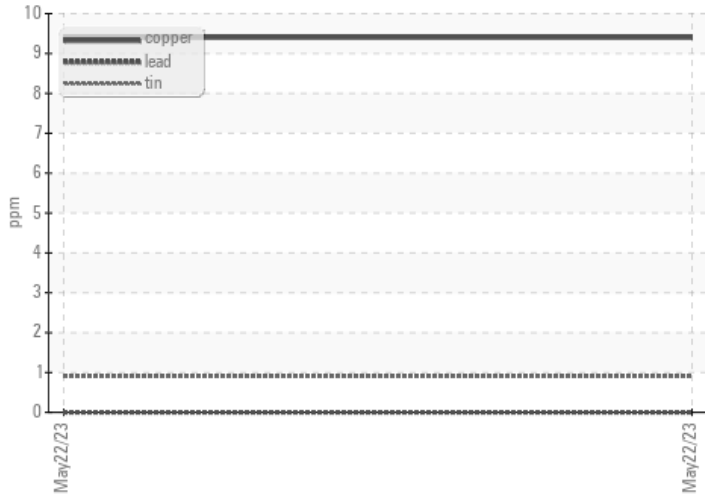


GRAPHS

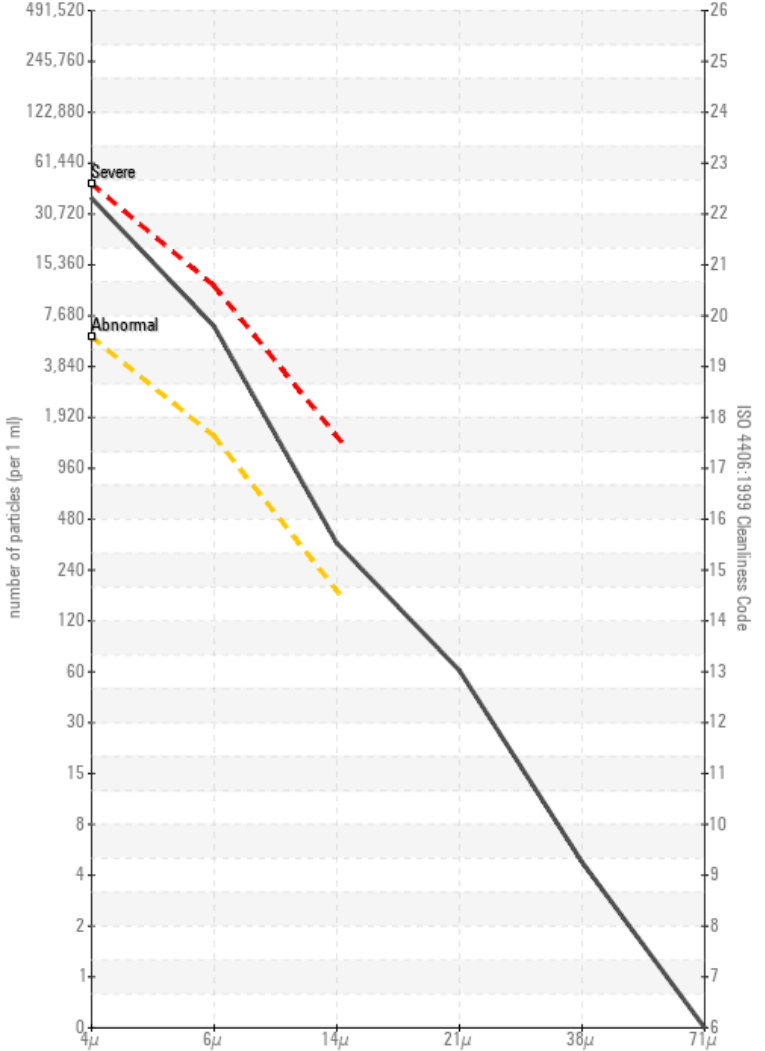
Ferrous Alloys



Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

