



CONSTRUCTION EQUIPMENT

716614 SOUTHLAND TAKEUCHI TB235 604917 - HYDRAULIC SYSTEM



Sample No: VCP454520
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 716614 SOUTHLAND



SAMPLE INFORMATION

Sample Number	VCP454520	---	---	---
Sample Date	17 May 2024	---	---	---
Machine Hours	581	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 48.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.31	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 32484	---	---	---
Particles >6µm		● 2317	---	---	---
Particles >14µm		█ 73	---	---	---
ISO 4406:1999 (c)		22/18/13	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 460	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 213	---	---	---
Phosphorus	ppm	█ 386	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0095
Unique No: 11048869
Signed: Angela Borella
Report Date: 30 May 2024

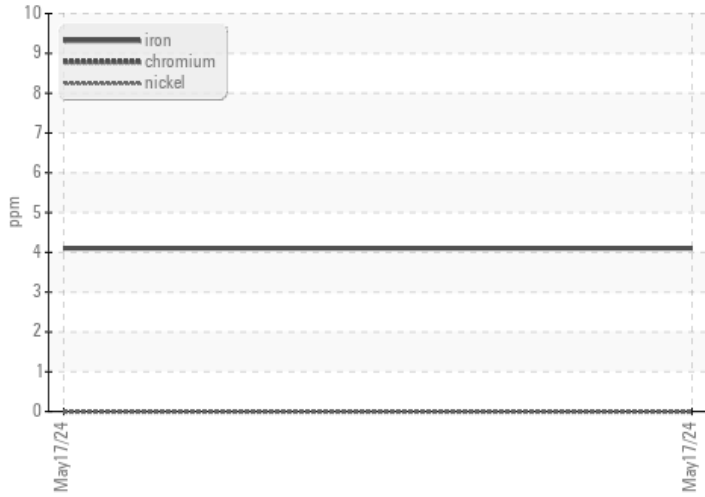


CONSTRUCTION EQUIPMENT

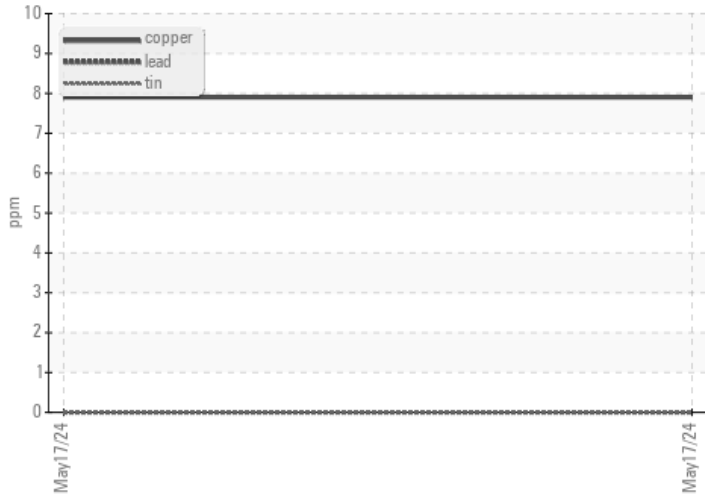


GRAPHS

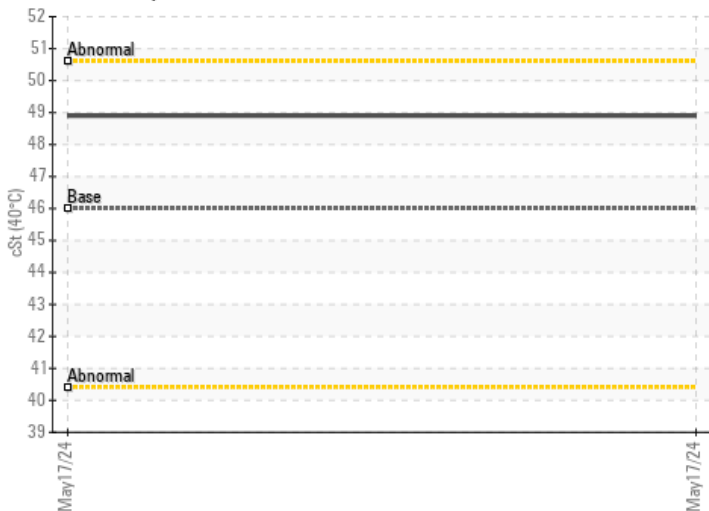
Ferrous Alloys



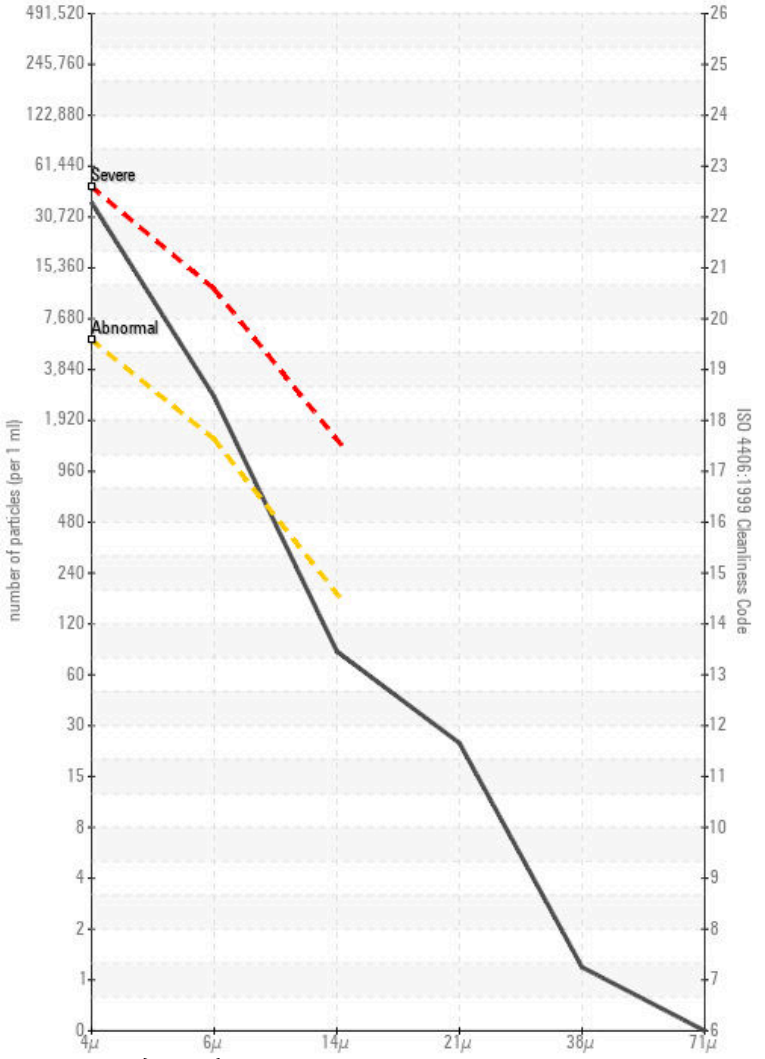
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

