



CONSTRUCTION EQUIPMENT

SPM502739 OMNISOURCE SENNEBOGEN 825 825.0.2100 - HYDRAULIC SYSTEM



Sample No: VCP380651
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM502739 OMNISOURCE



SAMPLE INFORMATION

Sample Number	VCP380651	---	---	---
Sample Date	10 Feb 2023	---	---	---
Machine Hours	8011	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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T:
F:



OIL CONDITION

Visc @ 40°C	cSt	■ 49.0	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.25	---	---	---



CONTAMINATION

Particles >4µm		▲ 70274	---	---	---
Particles >6µm		▲ 13552	---	---	---
Particles >14µm		▲ 275	---	---	---
ISO 4406:1999 (c)		23/21/15	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 6	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1867	---	---	---
Magnesium	ppm	■ 45	---	---	---
Zinc	ppm	■ 833	---	---	---
Phosphorus	ppm	■ 748	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 17	---	---	---

Depot: VOLVO5023
Unique No: 10339012
Signed: Don Baldrige
Report Date: 17 Feb 2023

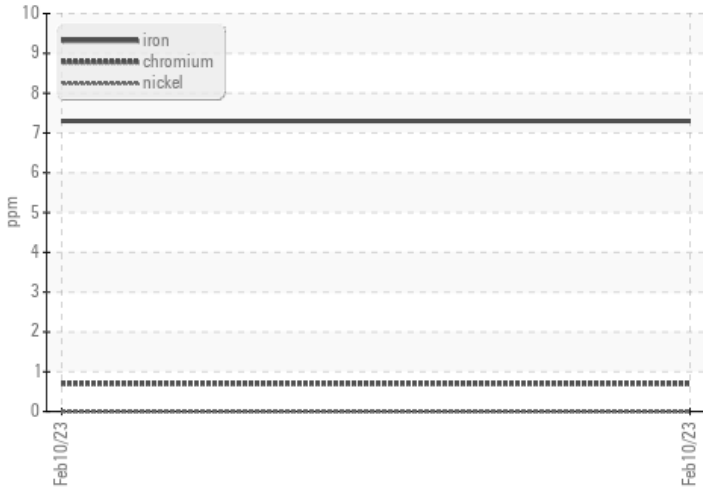


CONSTRUCTION EQUIPMENT

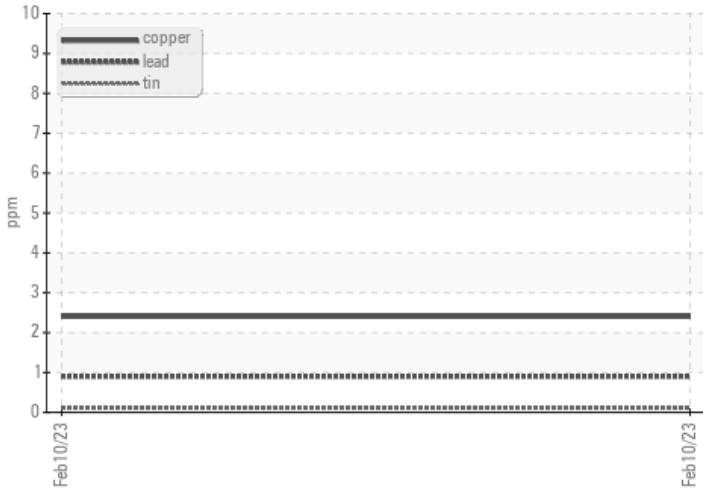


GRAPHS

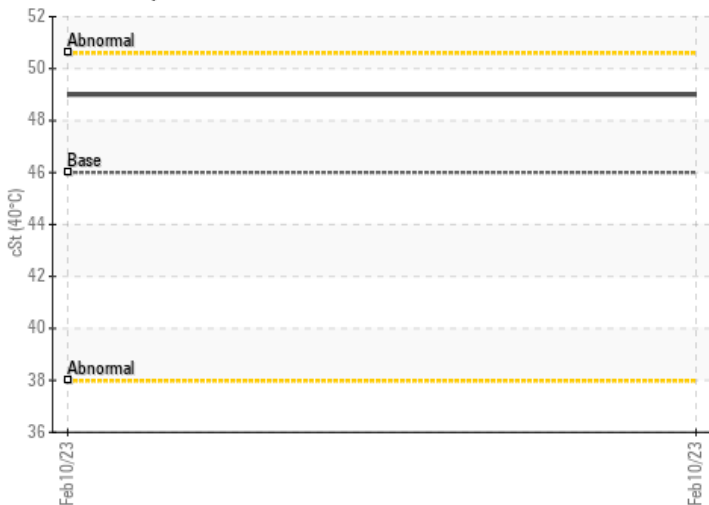
Ferrous Alloys



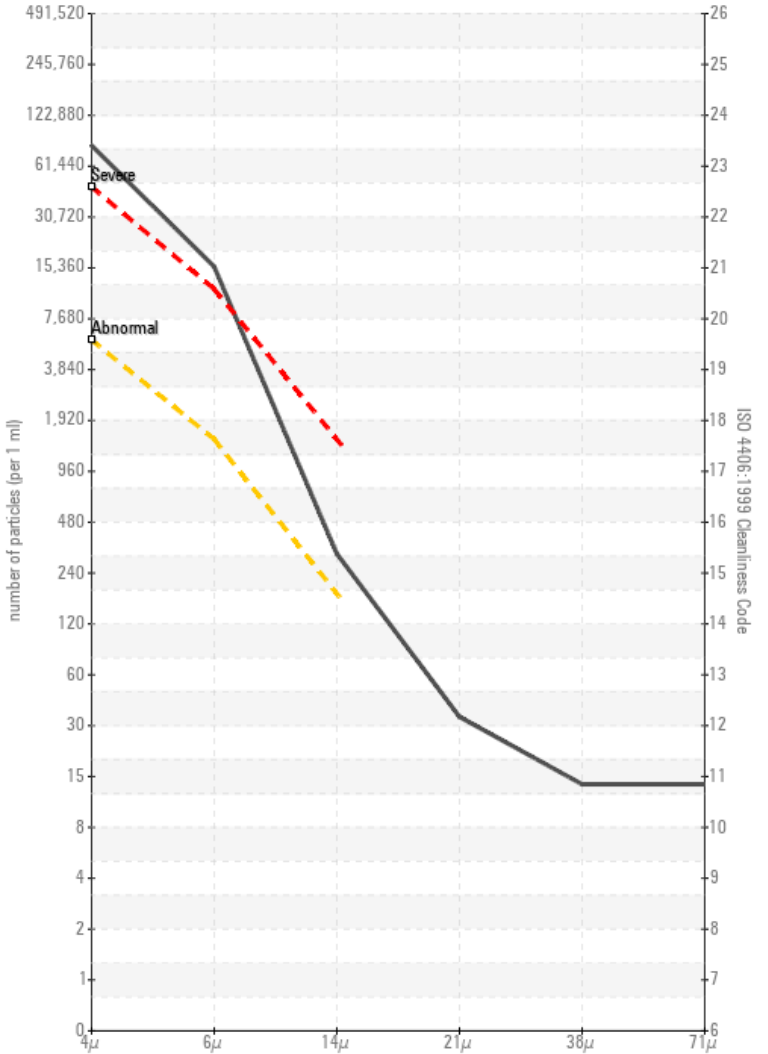
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

