



CONSTRUCTION EQUIPMENT

SPM893786 VOLVO L90E 71154 - HYDRAULIC SYSTEM



Sample No: VCP425165
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM893786



SAMPLE INFORMATION

Sample Number	VCP425165	VCP390874	VCP377699	---
Sample Date	21 Aug 2023	13 Dec 2022	25 May 2022	---
Machine Hours	18110	16784	15652	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ATTENTION	ATTENTION	ATTENTION	---

VICTORY AUTO WRECKERS
 710 EAST GREEN STREET
 BENSENVILLE, IL
 US 60196
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	▲ 31.1	▲ 31.7	▲ 30.8	---
Acid Number (AN)	mg KOH/g	■ 0.27	■ 0.29	■ 0.32	---

T: (630)860-2000
 F:



CONTAMINATION

Particles >4µm		▲ 26789	4747	27404	---
Particles >6µm		▲ 3555	■ 291	▲ 3313	---
Particles >14µm		▲ 120	■ 13	▲ 103	---
ISO 4406:1999 (c)		22/19/14	19/15/11	22/19/14	---
Silicon	ppm	■ 1	■ <1	■ 2	---
Sodium	ppm	■ 1	■ 0	■ 0	---
Potassium	ppm	■ 0	■ 0	■ 1	---

Diagnosis

Oil and filter 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 moderate amount of particulates 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	■ 8	■ 5	■ 11	---
Copper	ppm	■ 1	■ <1	■ 2	---
Lead	ppm	■ 0	■ 0	■ 0	---
Tin	ppm	■ 0	■ 0	■ <1	---
Aluminum	ppm	■ 0	■ 0	■ <1	---
Chromium	ppm	■ 7	■ 4	■ 7	---
Molybdenum	ppm	■ 0	■ <1	■ <1	---
Nickel	ppm	■ 0	■ 0	■ 0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ <1	■ 0	■ 0	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

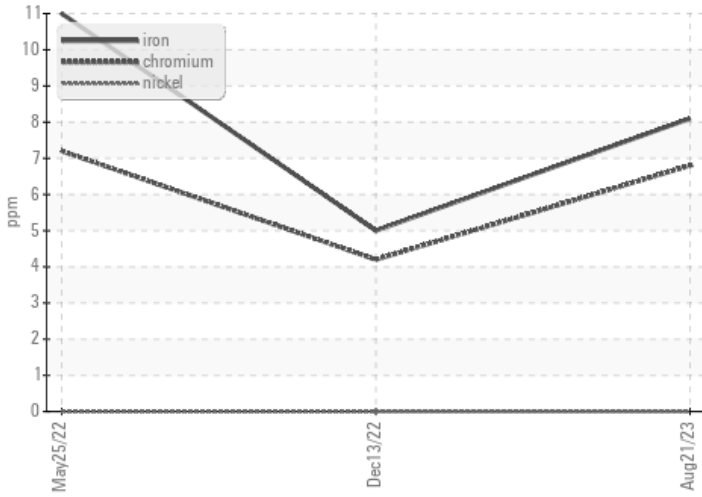
Calcium	ppm	■ 101	■ 58	■ 70	---
Magnesium	ppm	■ 3	■ 1	■ 2	---
Zinc	ppm	■ 428	■ 417	■ 431	---
Phosphorus	ppm	■ 347	■ 326	■ 338	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 0	■ 0	■ 0	---

Depot: VICBEN
Unique No: 10616082
Signed: Don Baldrige
Report Date: 23 Aug 2023

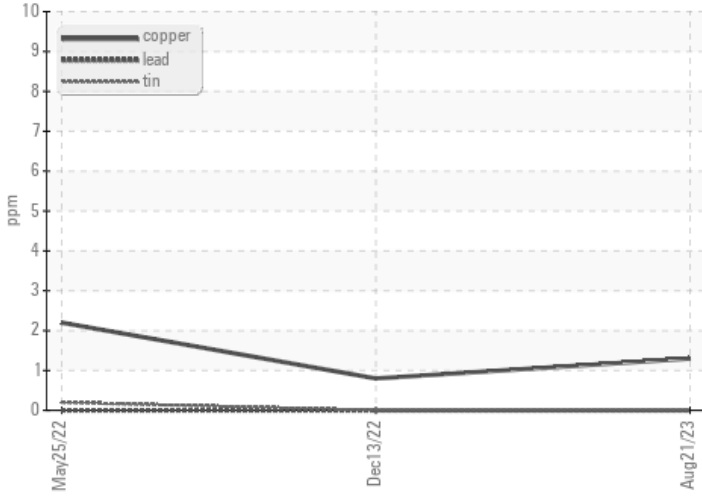


GRAPHS

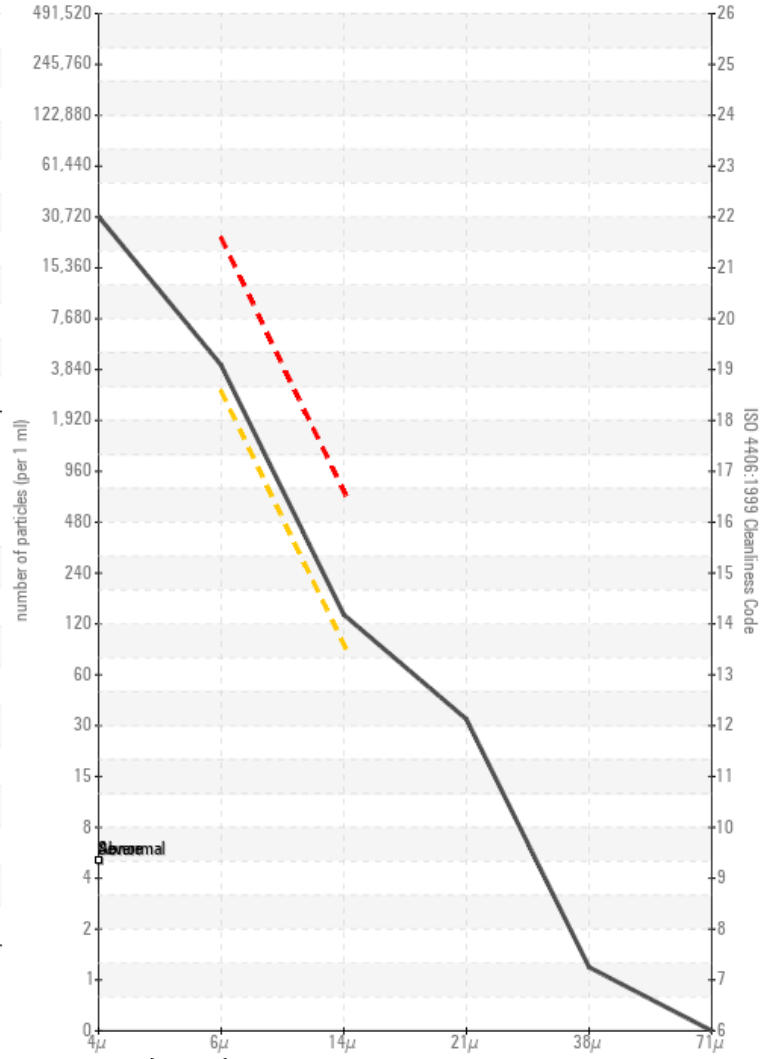
Ferrous Alloys



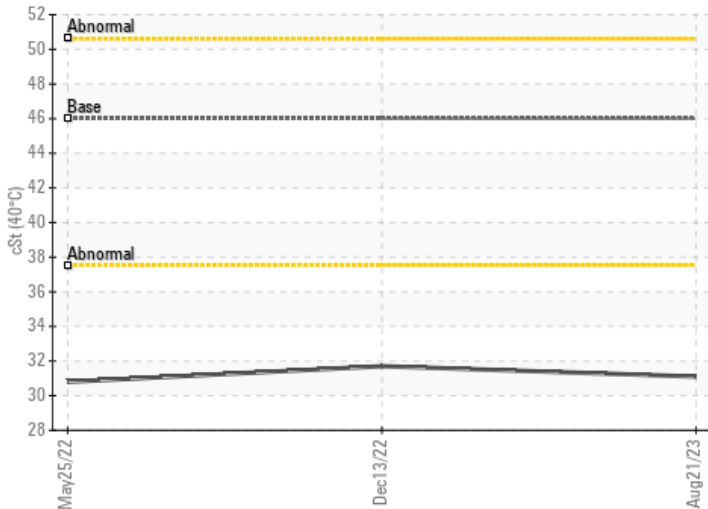
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

