



CONSTRUCTION EQUIPMENT

294602 PRINCE VOLVO L90H 626620 - HYDRAULIC SYSTEM



Sample No: VCP417567
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 294602 PRINCE



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SAMPLE INFORMATION

Sample Number	VCP417567	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	1057	---	---	---
Oil Hours	1057	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 43.0	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.33	---	---	---



CONTAMINATION

Particles >4µm		▲ 11617	---	---	---
Particles >6µm		▲ 2590	---	---	---
Particles >14µm		■ 157	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 62	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 458	---	---	---
Phosphorus	ppm	■ 343	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 0	---	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: VOLVO0093
Unique No: 10574236
Signed: Wes Davis
Report Date: 27 Jul 2023

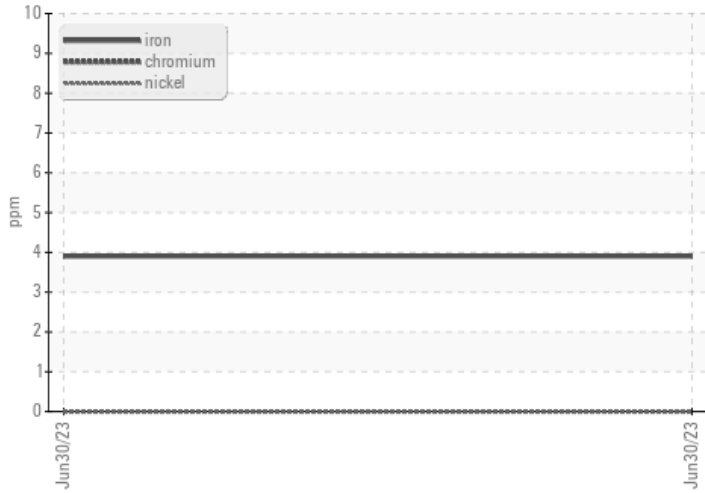


CONSTRUCTION EQUIPMENT

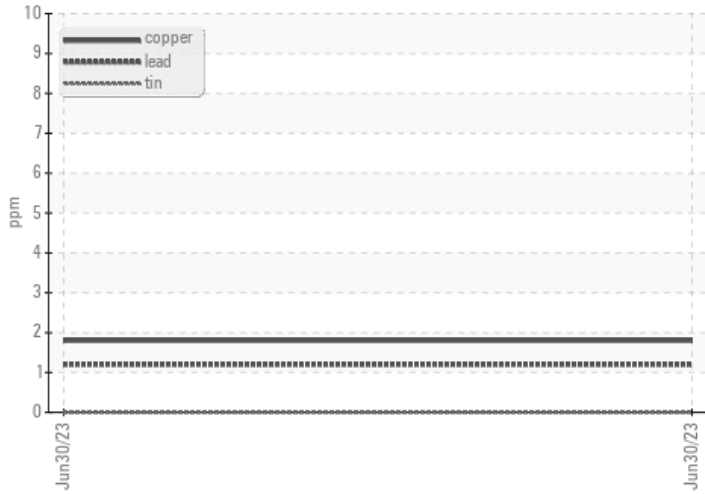


GRAPHS

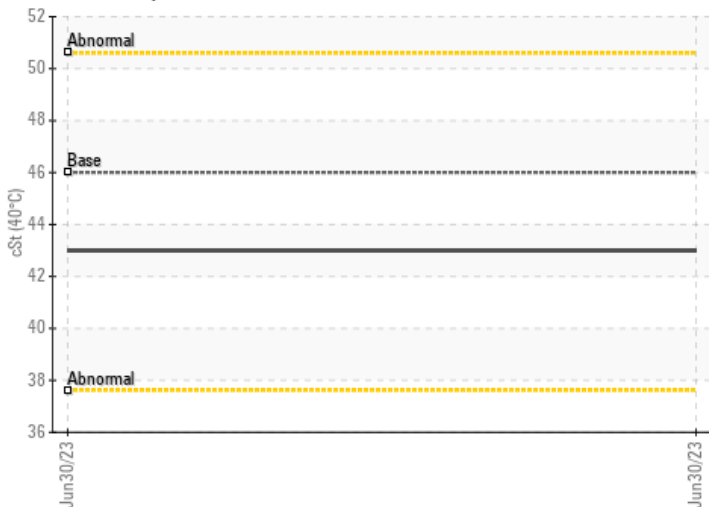
Ferrous Alloys



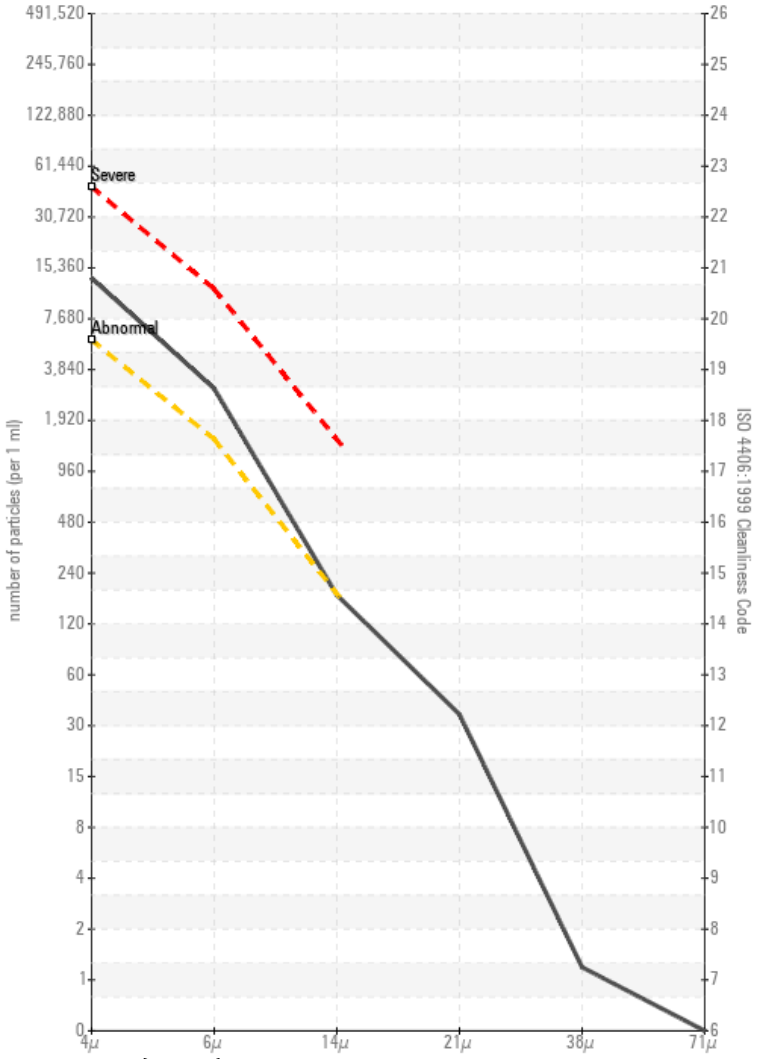
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

