



CONSTRUCTION EQUIPMENT

VOLVO L180H 5387 - HYDRAULIC SYSTEM



Sample No: VCP422512
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP422512	---	---	---
Sample Date	25 Sep 2023	---	---	---
Machine Hours	4132	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MILL CREEK DOLOMITE
 9915 WEST AMOS CONLEY RD
 MILL CREEK, OK
 US 74856
 Contact: BILL ROGERS
 billm@min-ad.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	■ 39.6	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.36	---	---	---

CONTAMINATION

Particles >4µm	▲ 18196	---	---	---
Particles >6µm	▲ 4379	---	---	---
Particles >14µm	▲ 323	---	---	---
ISO 4406:1999 (c)	21/19/16	---	---	---
Silicon	ppm	■ 3	---	---
Sodium	ppm	■ <1	---	---
Potassium	ppm	■ 1	---	---

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	■ 5	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 113	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 439	---	---	---
Phosphorus	ppm	■ 323	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: MILMILOK
Unique No: 10672758
Signed: Don Baldrige
Report Date: 03 Oct 2023

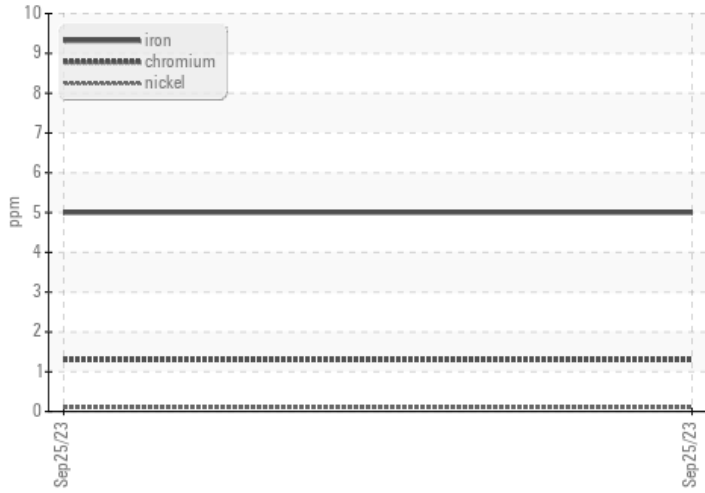


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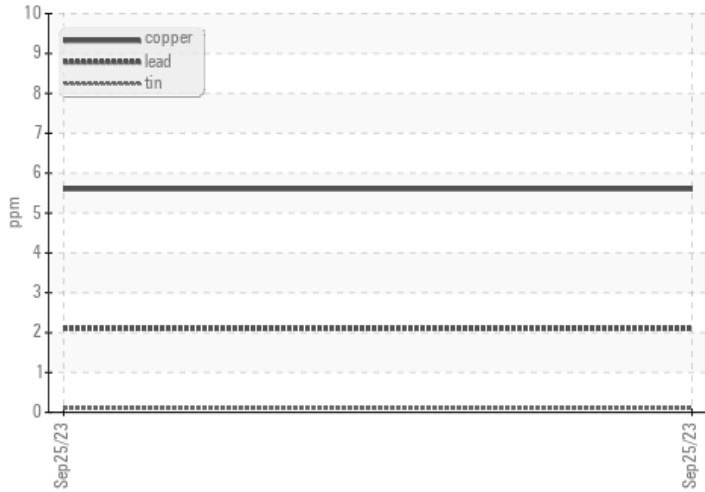


VOLVO GRAPHS

Ferrous Alloys



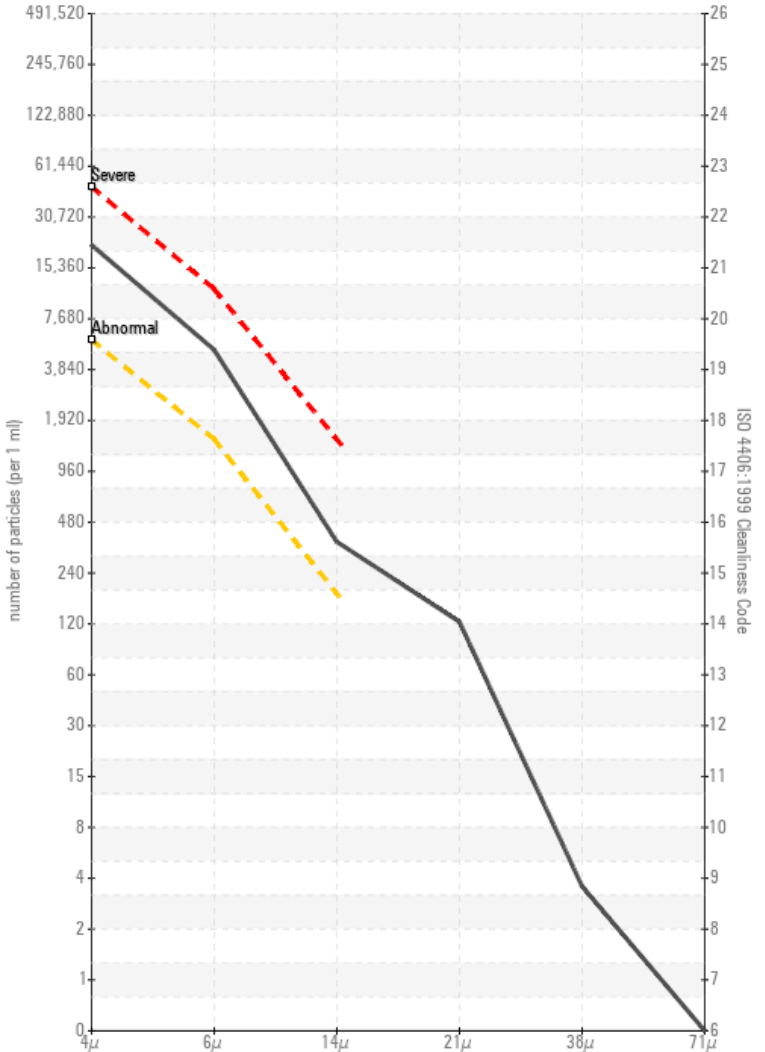
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

