



CONSTRUCTION EQUIPMENT

378460 VOLVO L90H 625728 - HYDRAULIC SYSTEM



Sample No: VCP352685
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 378460



SAMPLE INFORMATION

Sample Number	VCP352685	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	4040	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT--CALGARY

7923 54TH STREET SE
 CALGARY, AB
 CA T2C 4R7

Contact: MAH COX
 MCOX@STRONGCO.COM
 T: (403)216-1010
 F: (403)216-1016



OIL CONDITION

Visc @ 40°C	cSt	▲ 25.8	---	---	---
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CONTAMINATION

Particles >4µm		■ 3418	---	---	---
Particles >6µm		■ 702	---	---	---
Particles >14µm		■ 28	---	---	---
ISO 4406:1999 (c)		19/17/12	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 22 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	■ 54	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	■ 438	---	---	---
Phosphorus	ppm	■ 358	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO3909
Unique No: 5645089
Signed: Bill Quesnel
Report Date: 21 Sep 2023

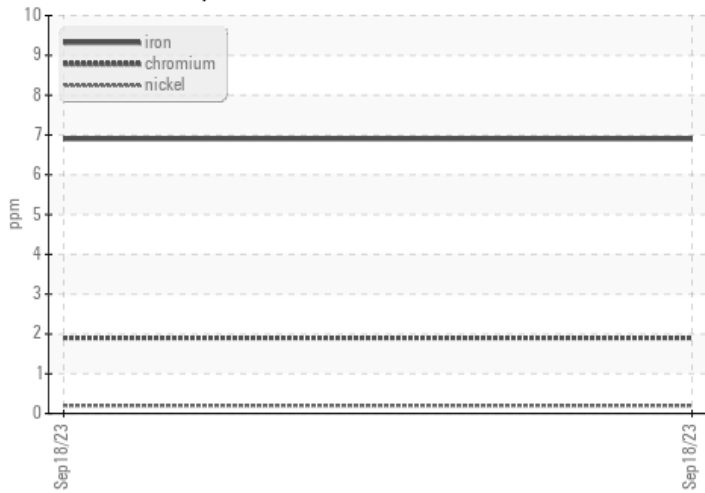


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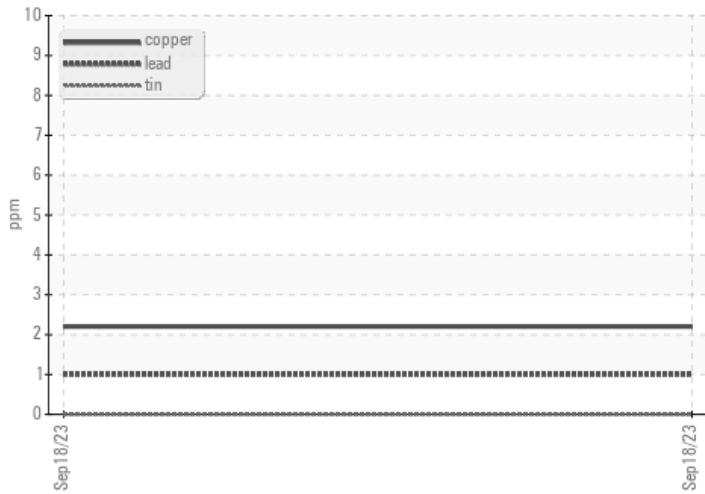


GRAPHS

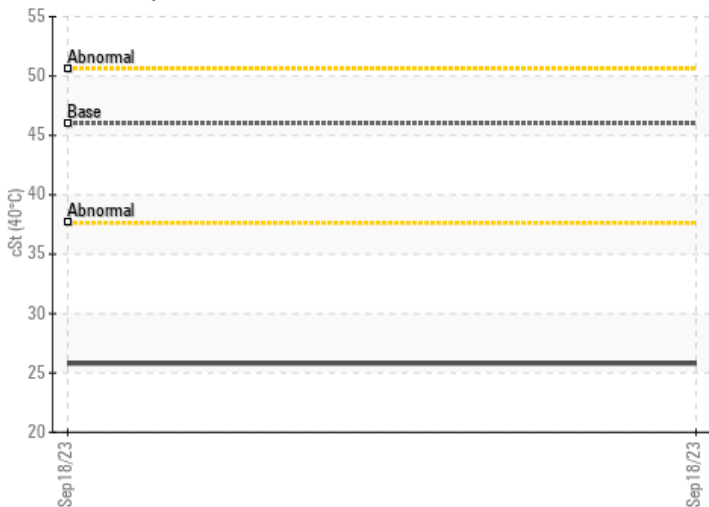
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

