



CONSTRUCTION EQUIPMENT

CBM 368488 VOLVO L220H 3261 - HYDRAULIC SYSTEM



Sample No: VCP392234
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 368488



SAMPLE INFORMATION

Sample Number	VCP392234	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	3435	---	---	---
Oil Hours	437	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

Strongco Equipment

5179 Fountain St N.
 Breslau, ON
 CA N0B 1M0
 Contact: Nick Sanders
 nsanders@strongco.com
 T: (519)744-3518
 F: (519)744-3284



OIL CONDITION

Visc @ 40°C	cSt	▲ 17.6	---	---	---
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CONTAMINATION

Particles >4µm		235	---	---	---
Particles >6µm		■ 46	---	---	---
Particles >14µm		■ 7	---	---	---
ISO 4406:1999 (c)		15/13/10	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---

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 15 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 41	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 405	---	---	---
Phosphorus	ppm	■ 357	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ <1	---	---	---

Depot: CASKIT
Unique No: 5604013
Signed: Kevin Marson
Report Date: 29 Jun 2023

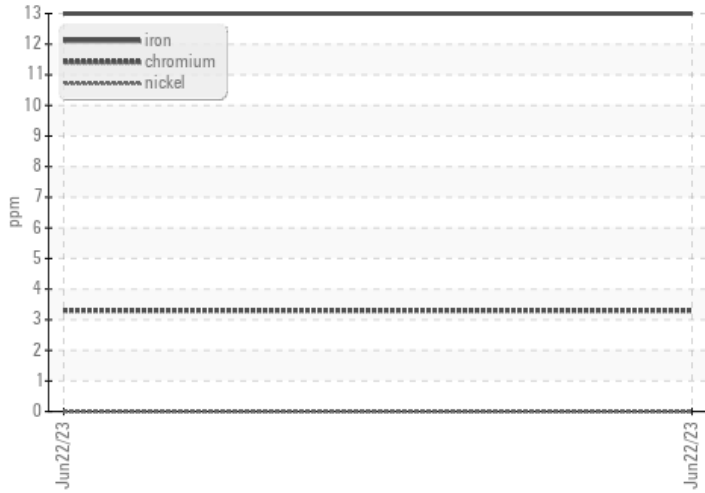


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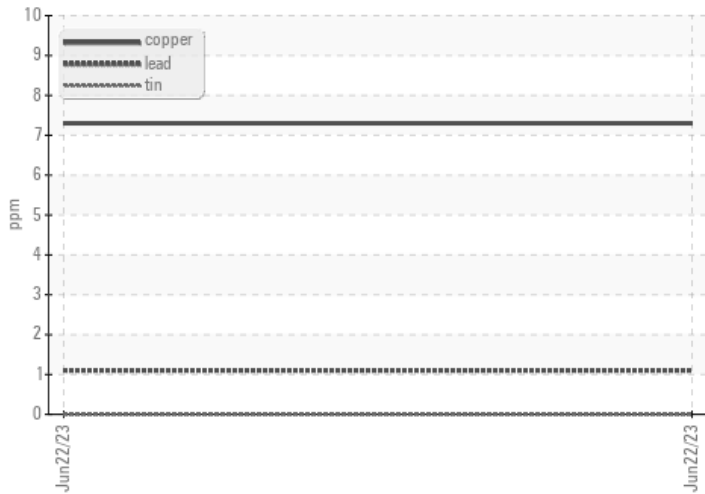


VOLVO GRAPHS

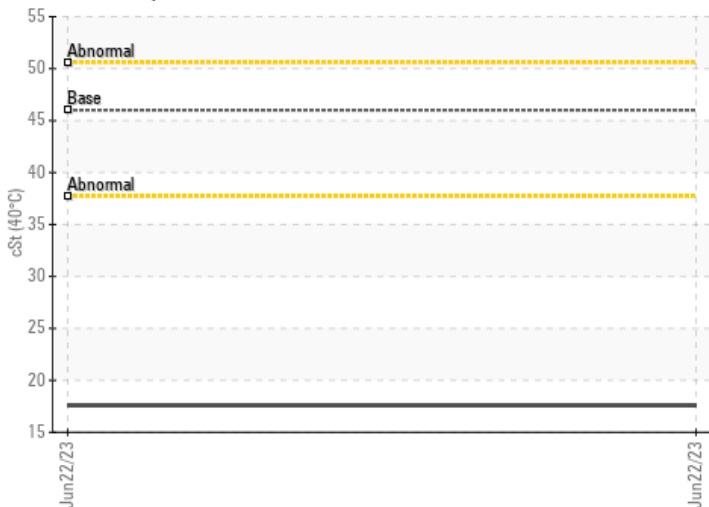
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

