



CONSTRUCTION EQUIPMENT

314854 VOLVO G746B 36682 - HYDRAULIC SYSTEM



Sample No: VCP349548
Oil Type: CASTROL HVI 32
Job No: 314854



SAMPLE INFORMATION

Sample Number	VCP349548	---	---	---
Sample Date	27 May 2022	---	---	---
Machine Hours	8472	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW
 Acheson, AB
 CA T7X 6C2

Contact: Jonathan Morton
 jmorton@strongco.com
 T: (780)464-1909
 F: (780)464-0434



OIL CONDITION

Visc @ 40°C	cSt	■ 32.8	---	---	---
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CONTAMINATION

Particles >4µm		■ 75952	---	---	---
Particles >6µm		▲ 6408	---	---	---
Particles >14µm		▲ 89	---	---	---
ISO 4406:1999 (c)		■ 23/20/14	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 3	---	---	---

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. Particles >6µm and oil cleanliness are abnormally high. Particles >14µm are notably high. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

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



ADDITIVES

Calcium	ppm	■ 53	---	---	---
Magnesium	ppm	■ 24	---	---	---
Zinc	ppm	■ 348	---	---	---
Phosphorus	ppm	■ 316	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 2	---	---	---

Depot: VOLVO3908
Unique No: 5410025
Signed: Kevin Marson
Report Date: 08 Jun 2022

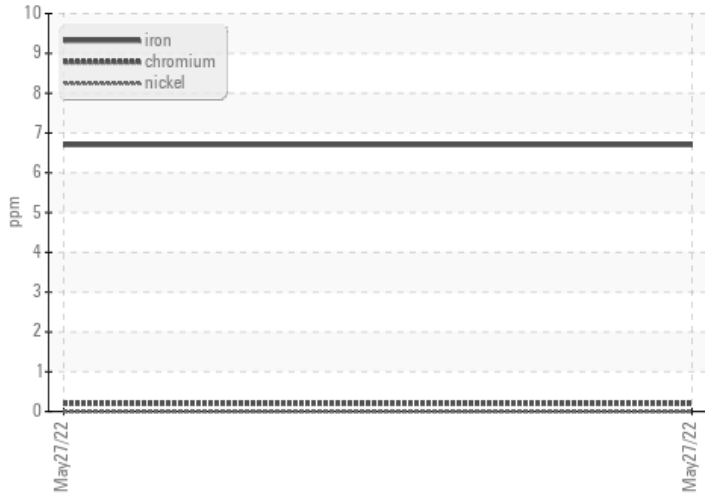


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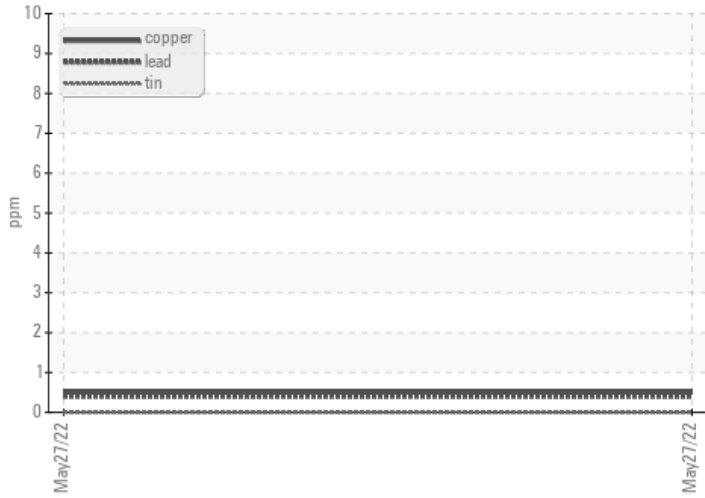


GRAPHS

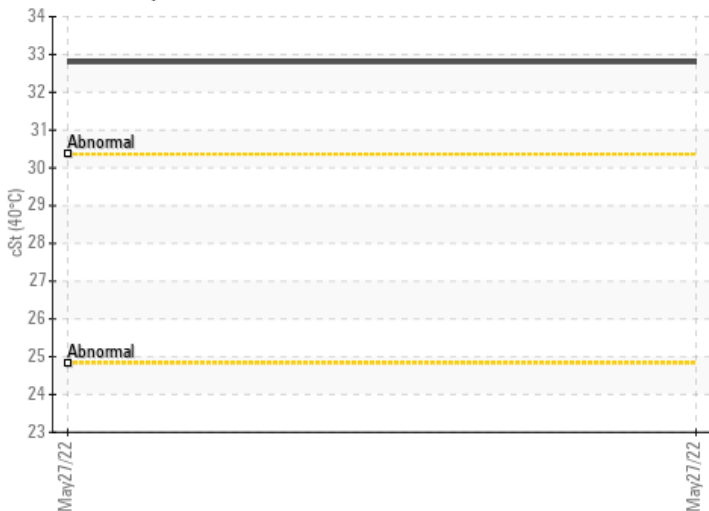
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

