



CONSTRUCTION EQUIPMENT

264703 VOLVO EC210B 10156 - HYDRAULIC SYSTEM



Sample No: VCP275305
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 264703



SAMPLE INFORMATION

Sample Number	VCP275305	---	---	---
Sample Date	17 Nov 2020	---	---	---
Machine Hours	10888	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

Strongco Equipment

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



OIL CONDITION

Visc @ 40°C	cSt	█ 42.4	---	---	---
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CONTAMINATION

Water	%	▲ 0.470	---	---	---
Particles >4µm		▲ 103197	---	---	---
Particles >6µm		▲ 16385	---	---	---
Particles >14µm		█ 156	---	---	---
ISO 4406:1999 (c)		24/21/14	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. Water and ppm water contamination levels are abnormal. Particles >4µm are abnormally high. Particles >6µm are notably high. There is a moderate concentration of water present in the oil. Additive levels indicate the addition of a different brand, or type of oil.



WEAR METALS

Iron	ppm	█ 21	---	---	---
Copper	ppm	█ 64	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1856	---	---	---
Magnesium	ppm	35	---	---	---
Zinc	ppm	1072	---	---	---
Phosphorus	ppm	█ 945	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 13	---	---	---

Depot: CASKIT
Unique No: 5146846
Signed: Kevin Marson
Report Date: 08 Dec 2020

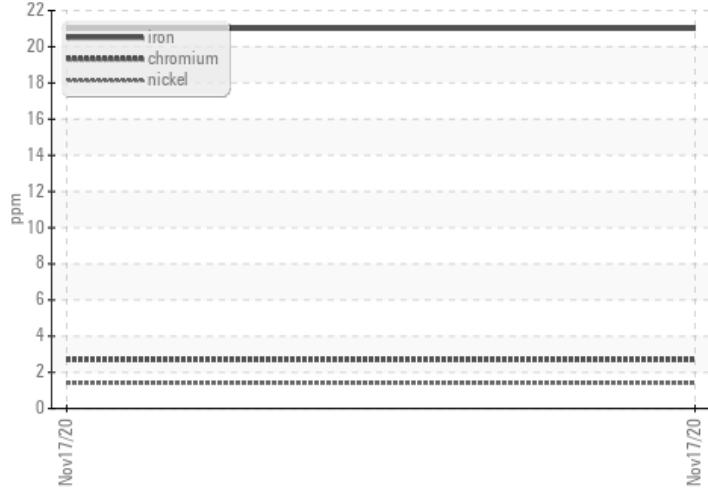


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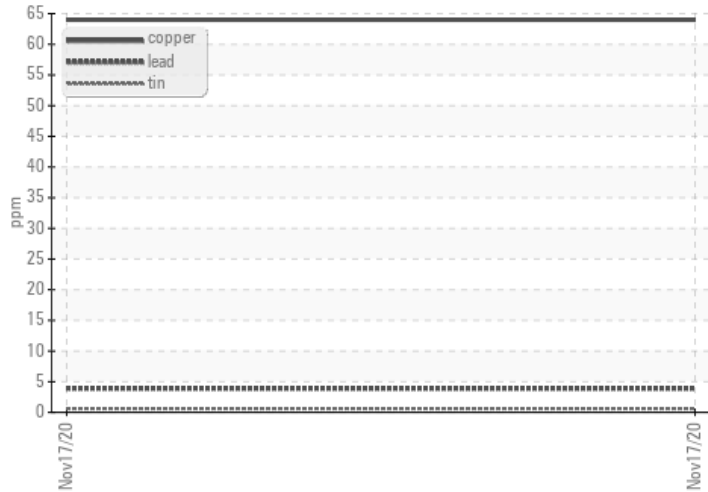


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

