



CONSTRUCTION EQUIPMENT

252821 VOLVO L90C 62496 - HYDRAULIC SYSTEM



Sample No: VCE146301
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 252821



SAMPLE INFORMATION

Sample Number	VCE146301	---	---	---
Sample Date	02 Sep 2020	---	---	---
Machine Hours	8528	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 11301 - 89TH AVE.
 GRANDE PRAIRIE, AB
 CA T8V 7M9
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OIL CONDITION

Visc @ 40°C	cSt	█ 42.6	---	---	---
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CONTAMINATION

Particles >4µm		▲ 30204	---	---	---
Particles >6µm		▲ 3469	---	---	---
Particles >14µm		▲ 216	---	---	---
ISO 4406:1999 (c)		22/19/15	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

All component wear rates are normal. Particles >4µm are abnormally high. Particles >6µm are abnormally high. Particles >14µm are notably high. Particles >21µm are notably high. The condition of the oil is acceptable for the time in service. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 130	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 325	---	---	---
Phosphorus	ppm	█ 293	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: STRGRA
Unique No: 5097952
Signed: Wes Davis
Report Date: 09 Sep 2020

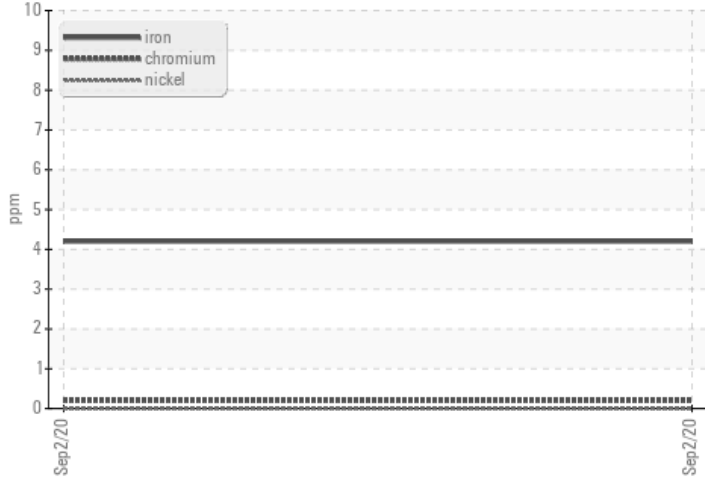


CONSTRUCTION EQUIPMENT

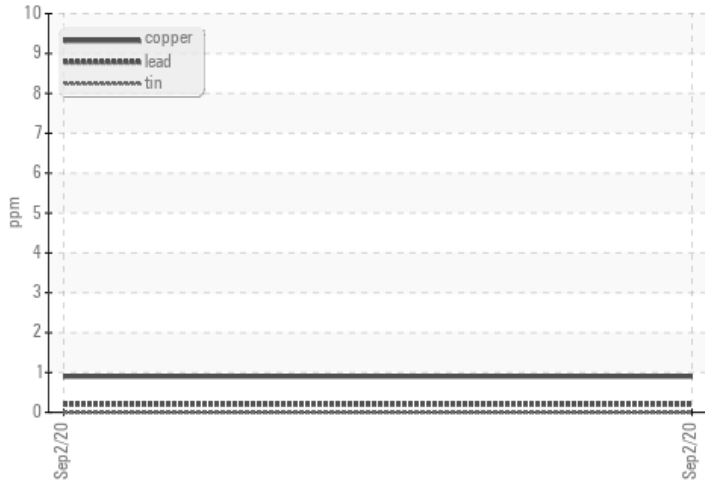


VOLVO GRAPHS

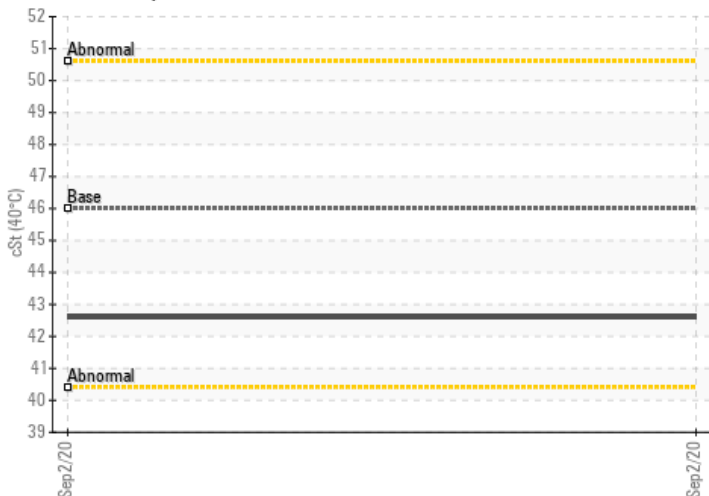
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

