



CONSTRUCTION EQUIPMENT

TRADE IN 374084 VOLVO EC220EL 310758 - HYDRAULIC SYSTEM



Sample No: VCP380259
Oil Type: VOLVO SUPER HYDRAULIC OIL 68
Job No: 374084



SAMPLE INFORMATION

Sample Number	VCP380259	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	8202	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT

54 IBER ROAD
OTTAWA, ON
CA K2S 1E8
Contact: Jason Hiles
jhiles@strongco.com
T:
F: (613)836-2614

OIL CONDITION

Visc @ 40°C	cSt	▲ 43.0	---	---	---
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CONTAMINATION

Water	%	■ 0.025	---	---	---
Particles >4µm		▲ 55245	---	---	---
Particles >6µm		■ 7842	---	---	---
Particles >14µm		■ 427	---	---	---
ISO 4406:1999 (c)		23/20/16	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. The fluid was specified as VOLVO SUPER HYDRAULIC OIL 68, however, a fluid match indicates that this fluid is ISO 46 AW Hydraulic Oil. Please confirm the oil type and grade on your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	■ 22	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 44	---	---	---
Magnesium	ppm	■ 5	---	---	---
Zinc	ppm	■ 407	---	---	---
Phosphorus	ppm	■ 400	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

Depot: SHESTI
Unique No: 5620210
Signed: Kevin Marson
Report Date: 11 Aug 2023

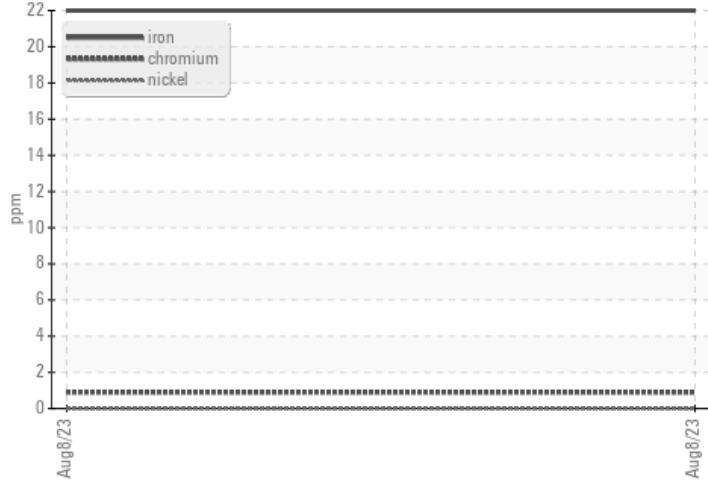


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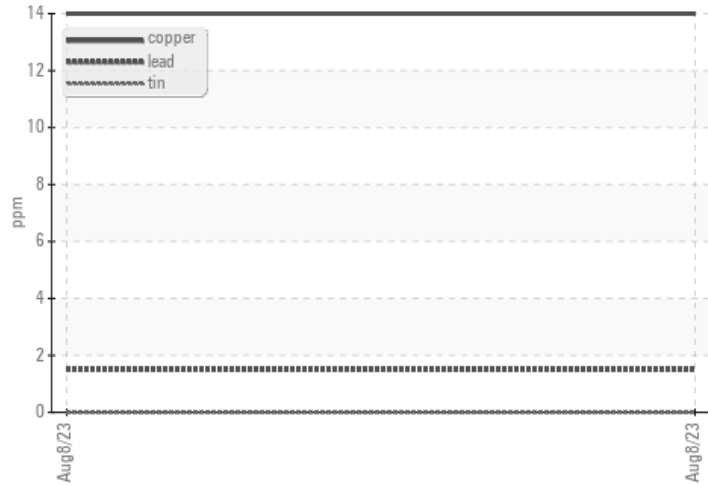


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

