



CONSTRUCTION EQUIPMENT

SENNEBOGEN 830 8301522 - HYDRAULIC SYSTEM



Sample No: VCP221956
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

Sample Number	VCP221956	---	---	---
Sample Date	02 Jul 2019	---	---	---
Machine Hours	260	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

Strongco Equipment
 5179 Fountain St N.
 Breslau, ON
 CA N0B 1M0
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 T: (519)744-3518
 F: (519)744-3284



OIL CONDITION

Visc @ 40°C	cSt	■ 43.9	---	---	---
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CONTAMINATION

Particles >4µm	◆ 181496	---	---	---
Particles >6µm	◆ 22189	---	---	---
Particles >14µm	■ 78	---	---	---
ISO 4406:1999 (c)	25/22/13	---	---	---
Silicon	ppm	▲ 63	---	---
Sodium	ppm	■ 6	---	---
Potassium	ppm	■ 3	---	---

Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Particles >6µm are severely high. Particles >4µm are severely high. Silicon ppm levels are abnormally high. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

PQ		■ 17	---	---	---
Iron	ppm	■ 23	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	106	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	701	---	---	---
Phosphorus	ppm	591	---	---	---
Barium	ppm	17	---	---	---
Boron	ppm	<1	---	---	---

Depot: CASKIT
Unique No: 4890944
Signed: Kevin Marson
Report Date: 09 Jul 2019

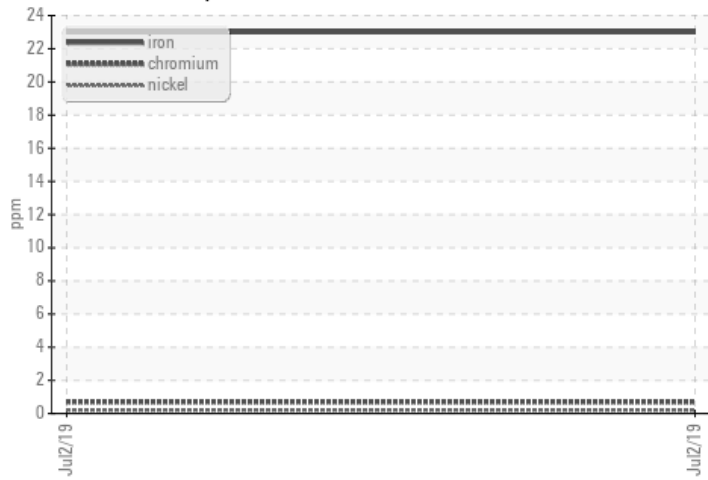


CONSTRUCTION EQUIPMENT

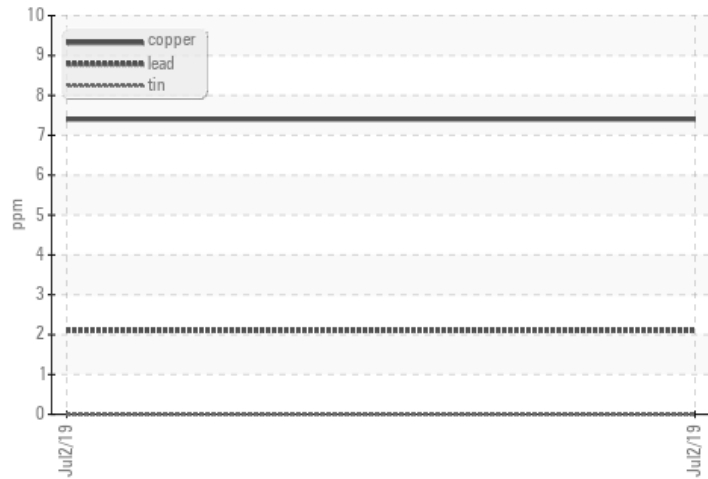


VOLVO GRAPHS

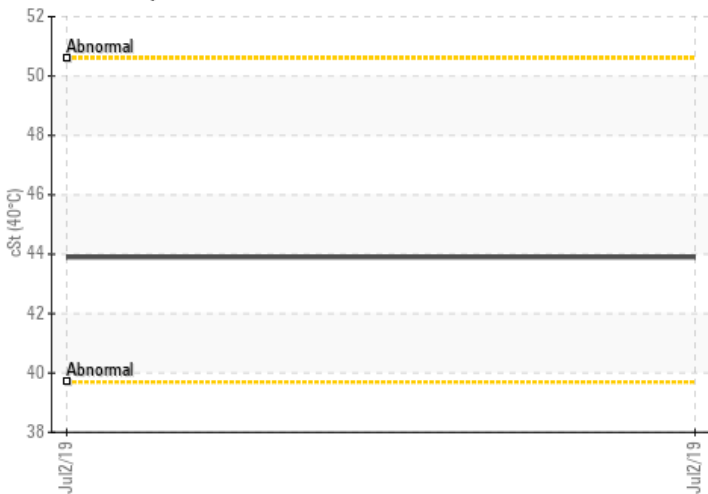
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

