



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 310739 - HYDRAULIC SYSTEM



**Sample No:** VCE205001  
**Oil Type:** SHELL MV 22  
**Job No:**



**STRONGCO EQUIPMENT-GRANDE PRAIRIE**  
 11301 - 89TH AVE.  
 GRANDE PRAIRIE, AB  
 CA T8V 7M9  
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 T: (780)513-3700  
 F: (780)513-8822

### SAMPLE INFORMATION

Sample Number	VCE205001	---	---	---
Sample Date	08 Apr 2019	---	---	---
Machine Hours	2227	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 20.4	---	---	---
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### CONTAMINATION

Particles >4µm		█ 3451	---	---	---
Particles >6µm		█ 336	---	---	---
Particles >14µm		█ 4	---	---	---
ISO 4406:1999 (c)		19/16/9	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 31	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 330	---	---	---
Phosphorus	ppm	█ 284	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was specified as SHELL MV 22, however, a fluid match indicates that this fluid is ISO 22 AW Hydraulic Oil. Please confirm the oil type and grade on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

**Depot:** STRGRA  
**Unique No:** 4850595  
**Signed:** Wes Davis  
**Report Date:** 15 Apr 2019

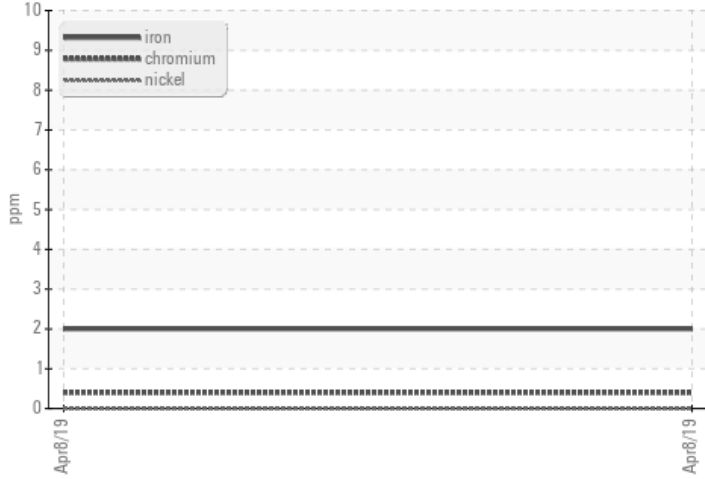


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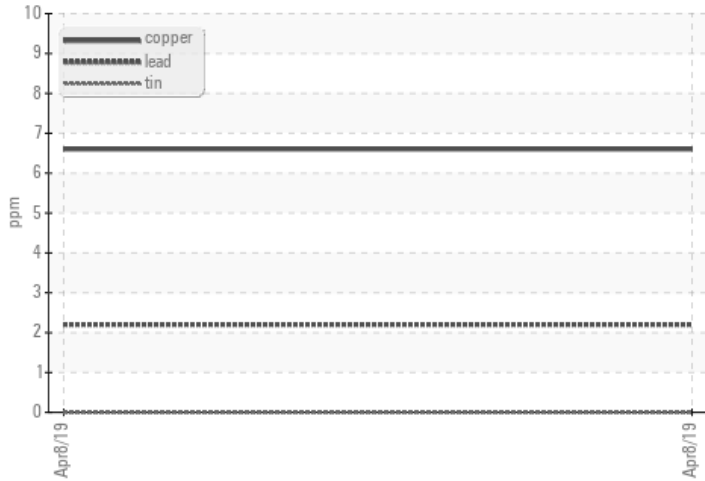


## VOLVO GRAPHS

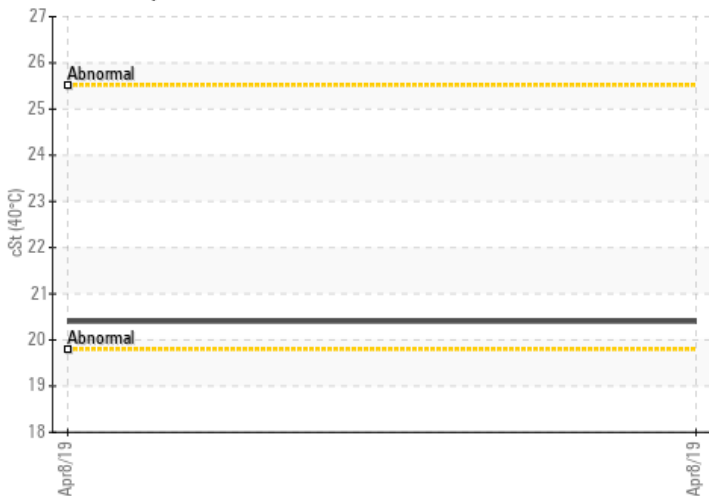
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

