



CONSTRUCTION EQUIPMENT

CAVANAGH 379797 VOLVO EC380EL 314111 - HYDRAULIC SYSTEM



Sample No: VCP391846
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL SAE 10W30
Job No: 379797



SAMPLE INFORMATION

Sample Number	VCP391846	---	---	---
Sample Date	15 Oct 2023	---	---	---
Machine Hours	5975	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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	█ 54.6	---	---	---
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CONTAMINATION

Particles >4µm		█ 1679	---	---	---
Particles >6µm		█ 114	---	---	---
Particles >14µm		█ 6	---	---	---
ISO 4406:1999 (c)		18/14/10	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 21	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	62	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1563	---	---	---
Magnesium	ppm	█ 311	---	---	---
Zinc	ppm	█ 1033	---	---	---
Phosphorus	ppm	█ 921	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 116	---	---	---

Depot: SHESTI
Unique No: 5669244
Signed: Kevin Marson
Report Date: 30 Oct 2023



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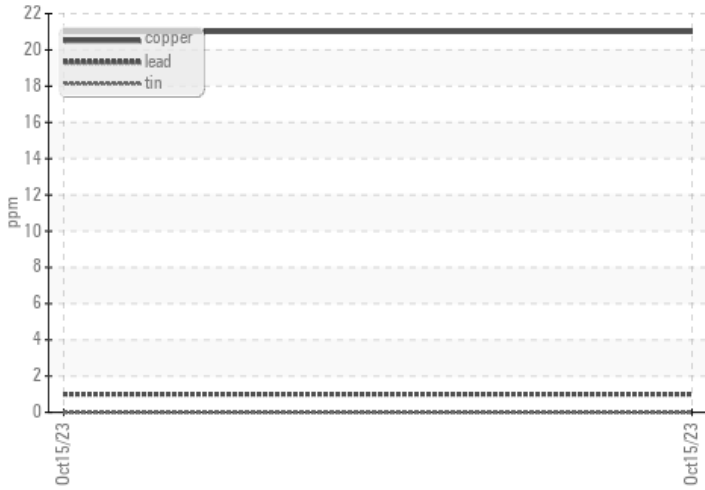


VOLVO GRAPHS

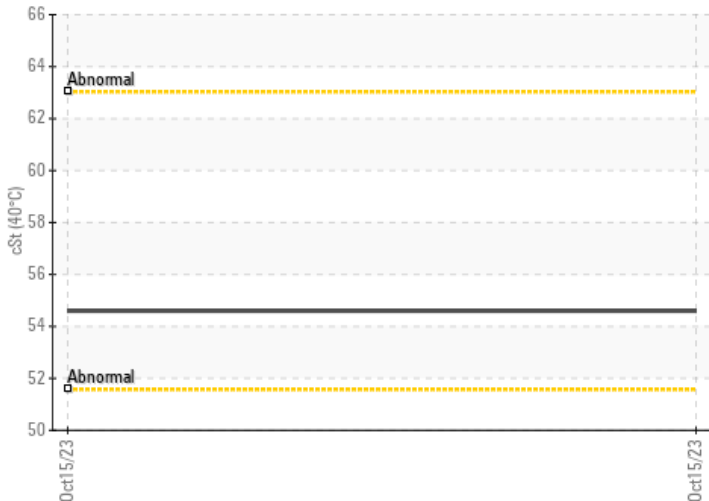
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

