



CONSTRUCTION EQUIPMENT

8000190069 VOLVO EC250EL 310118 - HYDRAULIC SYSTEM



Sample No: VCP231811
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 8000190069



STRONGCO EQUIPMENT--CALGARY
 7923 54TH STREET SE
 CALGARY, AB
 CA T2C 4R7
 Contact: Tracey Lewin
 tlewin@strongco.com
 T: (403)216-1010
 F: (403)216-1016

SAMPLE INFORMATION

Sample Number	VCP231811	---	---	---
Sample Date	05 Mar 2019	---	---	---
Machine Hours	2007	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	▲ 30.5	---	---	---
-------------	-----	--------	-----	-----	-----

CONTAMINATION

Particles >4µm		5061	---	---	---
Particles >6µm		■ 497	---	---	---
Particles >14µm		■ 39	---	---	---
ISO 4406:1999 (c)		20/16/12	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

Iron	ppm	■ 8	---	---	---
Copper	ppm	■ 21	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 67	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	■ 474	---	---	---
Phosphorus	ppm	■ 376	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: VOLVO3909
Unique No: 4835863
Signed: Kevin Marson
Report Date: 13 Mar 2019

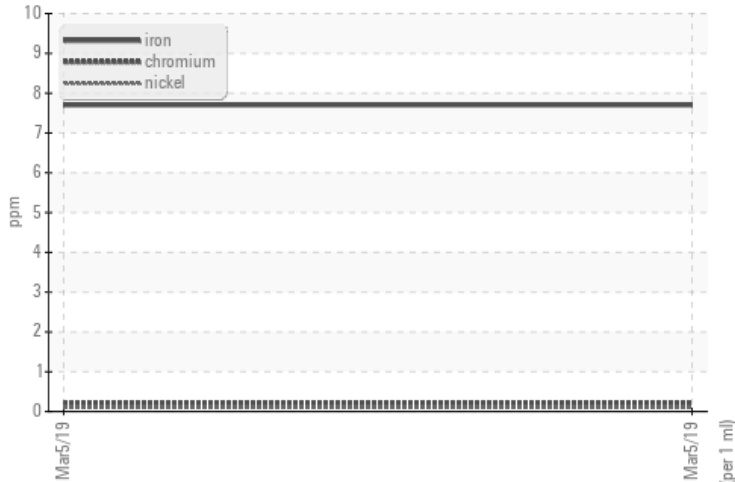


CONSTRUCTION EQUIPMENT

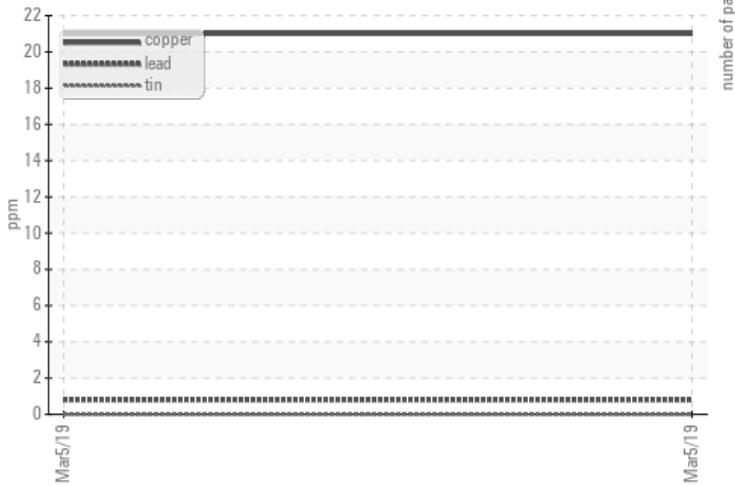


GRAPHS

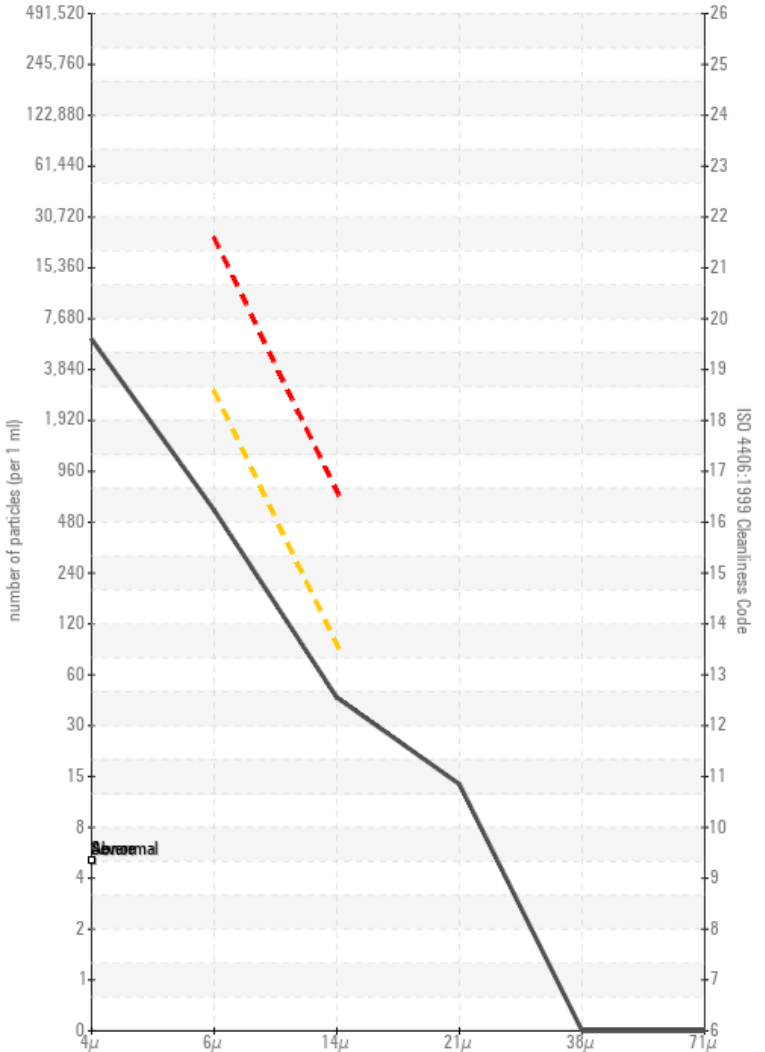
Ferrous Alloys



Non-ferrous Metals



Particle Count



Viscosity @ 40°C

