



CONSTRUCTION EQUIPMENT

305087 VOLVO EC380E 311590 - HYDRAULIC SYSTEM



Sample No: VCP273116
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 305087



STRONGCO EQUIPMENT-EDMONTON
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 CA T7X 6C2
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SAMPLE INFORMATION

Sample Number	VCP273116	---	---	---
Sample Date	12 Dec 2021	---	---	---
Machine Hours	3312	---	---	---
Oil Hours	3312	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 29.8	---	---	---
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CONTAMINATION

Particles >4µm		■ 12092	---	---	---
Particles >6µm		■ 2516	---	---	---
Particles >14µm		■ 115	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 13	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 55	---	---	---
Magnesium	ppm	■ 6	---	---	---
Zinc	ppm	■ 427	---	---	---
Phosphorus	ppm	■ 368	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ <1	---	---	---

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: VOLVO3908
Unique No: 5331605
Signed: Kevin Marson
Report Date: 24 Dec 2021

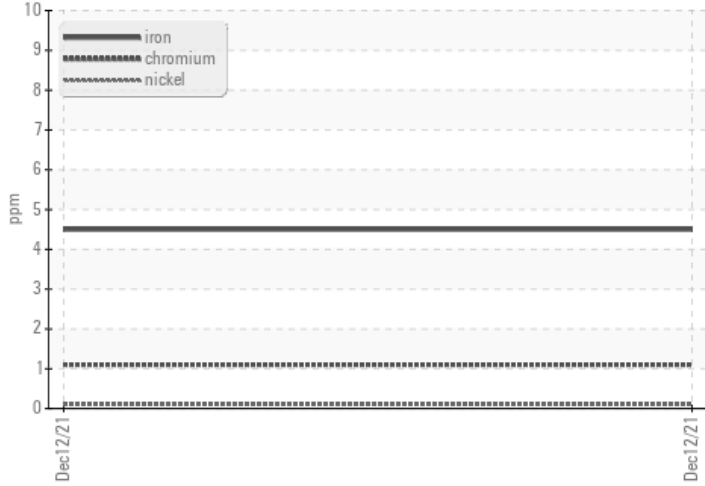


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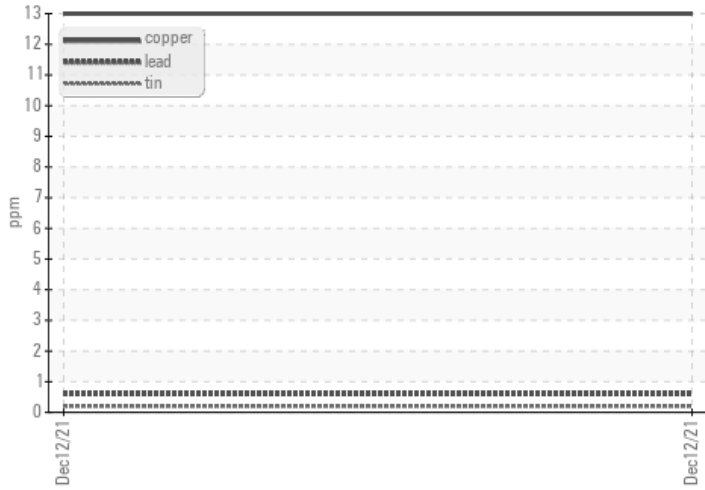


VOLVO GRAPHS

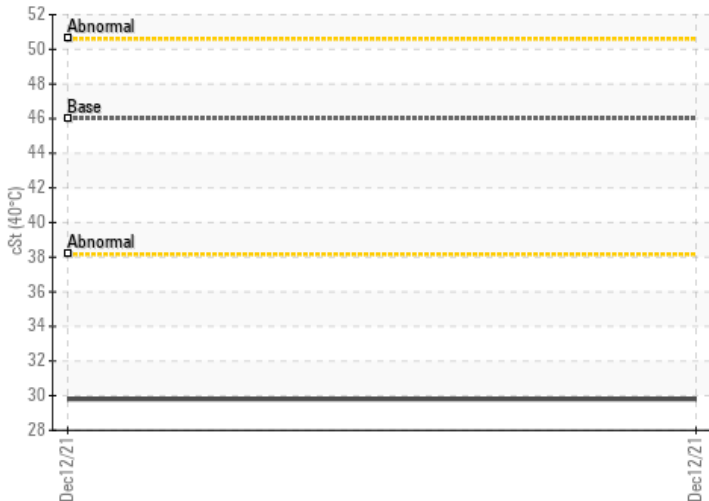
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

