



CONSTRUCTION EQUIPMENT

VOLVO EC380E 311643 - HYDRAULIC SYSTEM



Sample No: VCP424751
Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP424751	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	5425	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ROMCO INC MAIN

PO BOX 200210
 SAN ANTONIO, TX
 US 78220
 Contact: KELLI SEARS
 ksears@romco.com
 T: (210)648-4600
 F: (210)648-7712



OIL CONDITION

Visc @ 40°C	cSt	█ 47.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---



CONTAMINATION

Particles >4µm		█ 2568	---	---	---
Particles >6µm		█ 483	---	---	---
Particles >14µm		█ 26	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	█ 0	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 59	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 430	---	---	---
Phosphorus	ppm	█ 340	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: VOLV00170
Unique No: 10711759
Signed: Wes Davis
Report Date: 26 Oct 2023

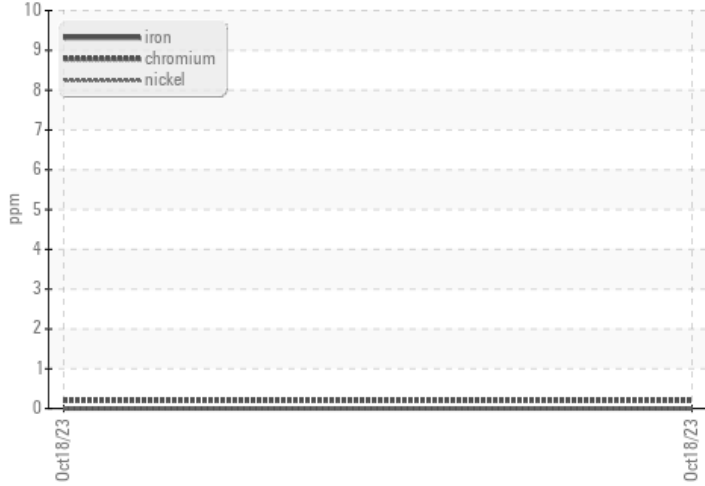


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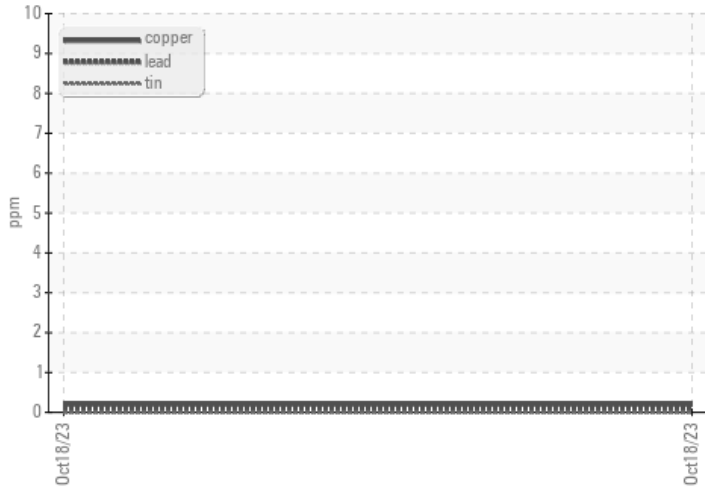


GRAPHS

Ferrous Alloys



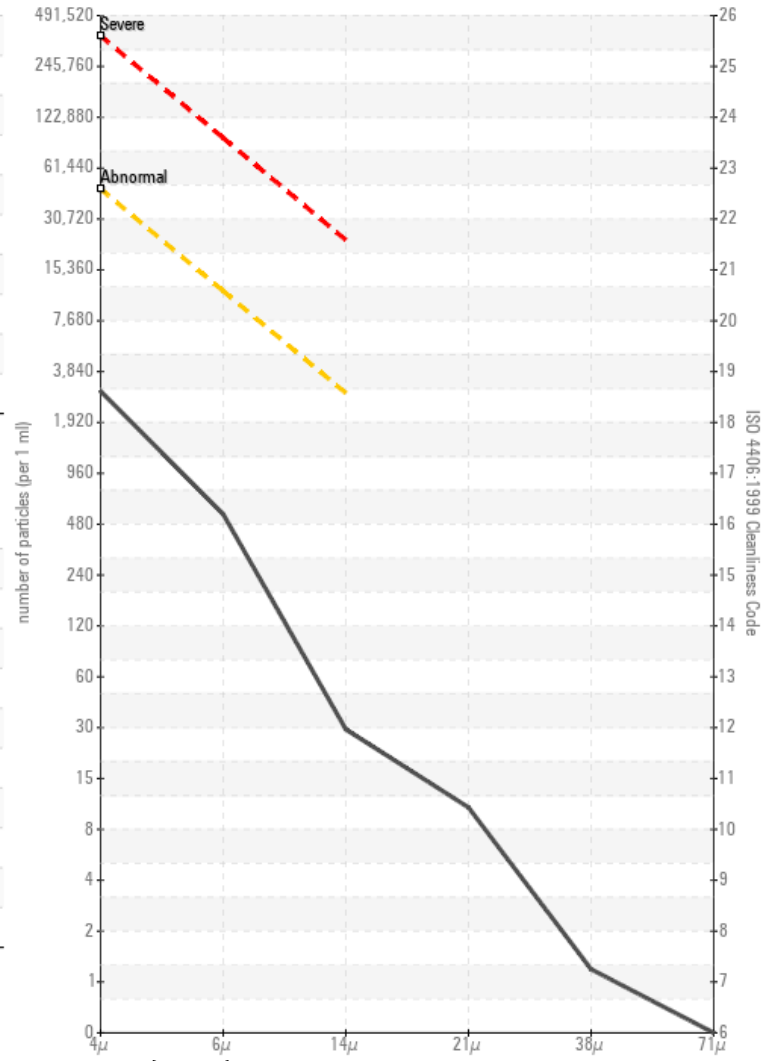
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

