



CONSTRUCTION EQUIPMENT

SPM621717 VOLVO EC480E 315179 - HYDRAULIC SYSTEM



Sample No: VCP409256
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM621717



SAMPLE INFORMATION

Sample Number	VCP409256	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	1086	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	█ 41.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.49	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1476	---	---	---
Particles >6µm		█ 408	---	---	---
Particles >14µm		█ 106	---	---	---
ISO 4406:1999 (c)		18/16/14	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	█ 1	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 88	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 427	---	---	---
Phosphorus	ppm	█ 345	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: SIMCHIL
Unique No: 10766930
Signed: Wes Davis
Report Date: 04 Dec 2023

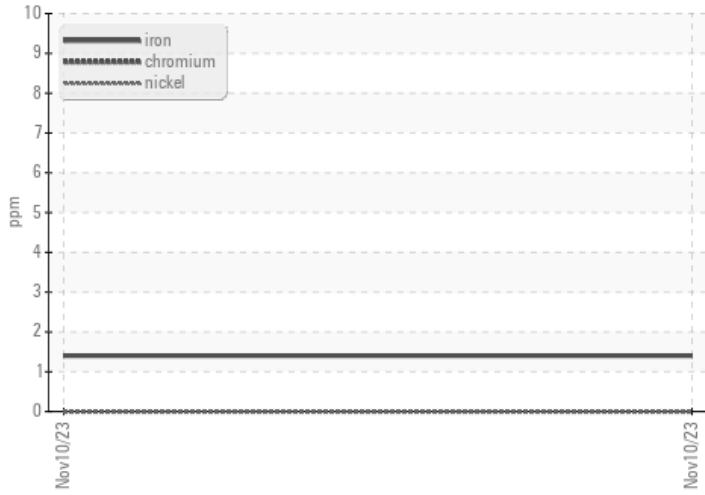


CONSTRUCTION EQUIPMENT

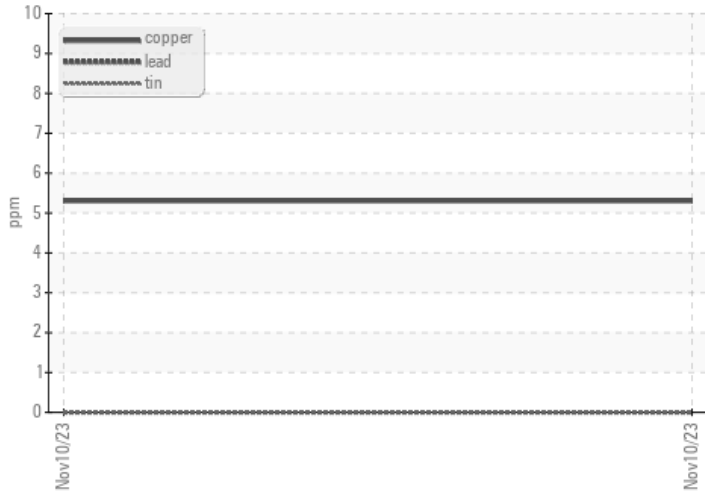


GRAPHS

Ferrous Alloys



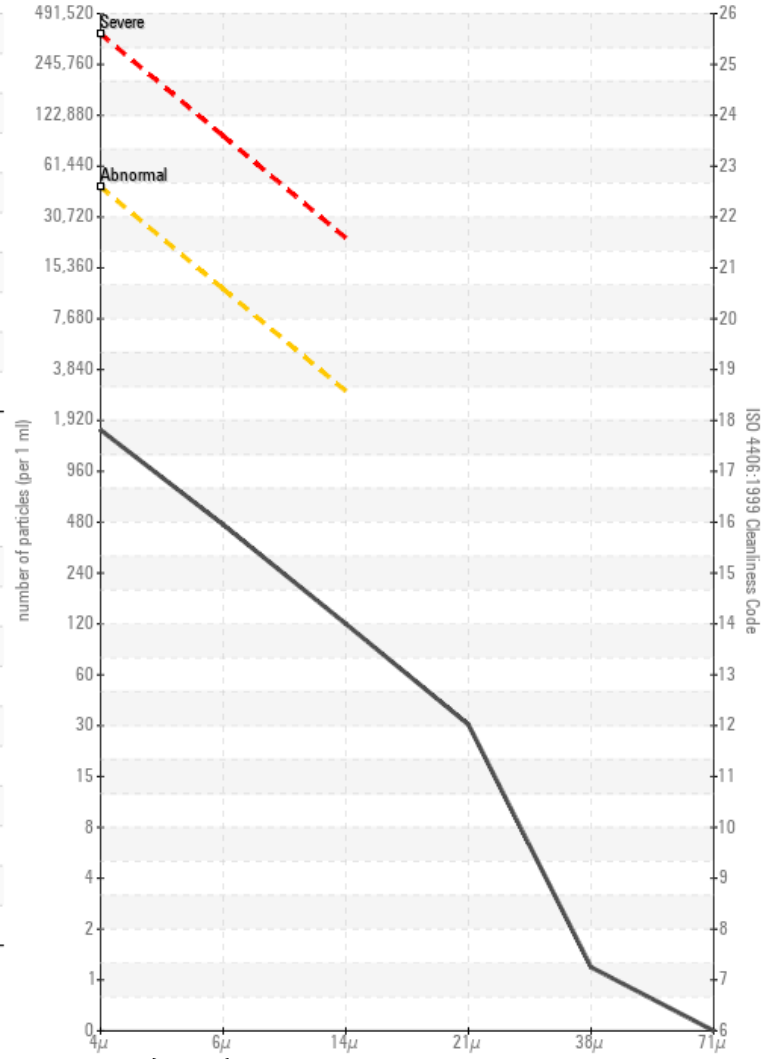
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

