



CONSTRUCTION EQUIPMENT

SPM580082 VOLVO EC480EL 315144 - HYDRAULIC SYSTEM



Sample No: VCP420673
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM580082



SAMPLE INFORMATION

Sample Number	VCP420673	---	---	---
Sample Date	18 Jul 2023	---	---	---
Machine Hours	436	---	---	---
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	█ 42.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.49	---	---	---

CONTAMINATION

Particles >4µm		█ 7467	---	---	---
Particles >6µm		█ 1084	---	---	---
Particles >14µm		█ 56	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are 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	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 115	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 525	---	---	---
Phosphorus	ppm	█ 396	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: SIMCHIL
Unique No: 10586392
Signed: Jonathan Hester
Report Date: 04 Aug 2023

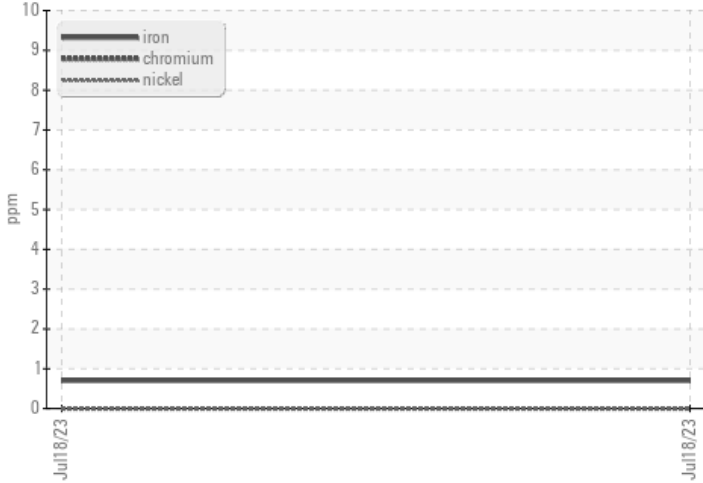


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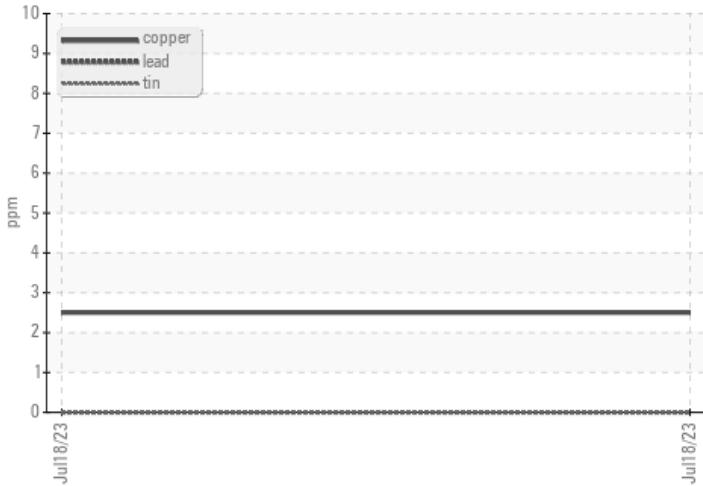


GRAPHS

Ferrous Alloys



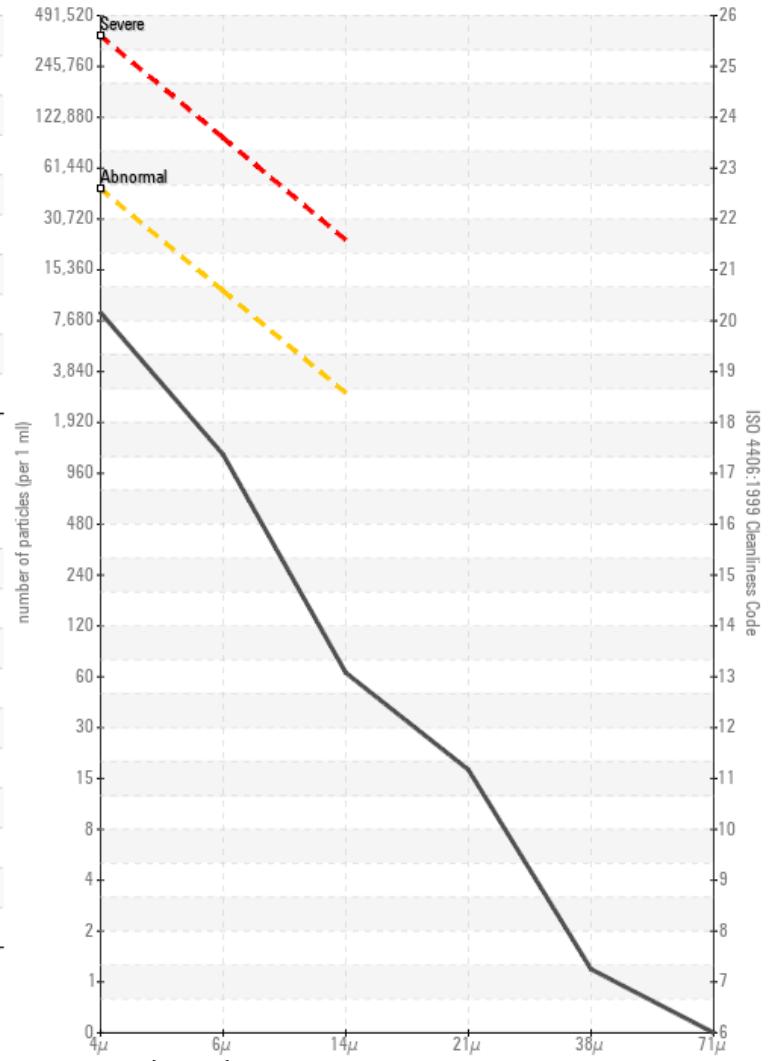
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

