



CONSTRUCTION EQUIPMENT

A11420 VOLVO EC220E 3 15495 - HYDRAULIC SYSTEM



Sample No: VCP434125
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11420



SAMPLE INFORMATION

Sample Number	VCP434125	---	---	---
Sample Date	14 Nov 2023	---	---	---
Machine Hours	490	---	---	---
Oil Hours	490	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

WASTE MANAGEMENT - TELFORD
 400 PROGRESS DR
 TELFORD, PA
 US 18969-1191
 Contact: EDWARD ROGENER
 erogener@wm.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	█ 43.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 352	---	---	---
Particles >6µm		█ 94	---	---	---
Particles >14µm		█ 8	---	---	---
ISO 4406:1999 (c)		16/14/10	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

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	█ 2	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 142	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 744	---	---	---
Phosphorus	ppm	█ 503	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: WASTEL
Unique No: 10764988
Signed: Jonathan Hester
Report Date: 01 Dec 2023

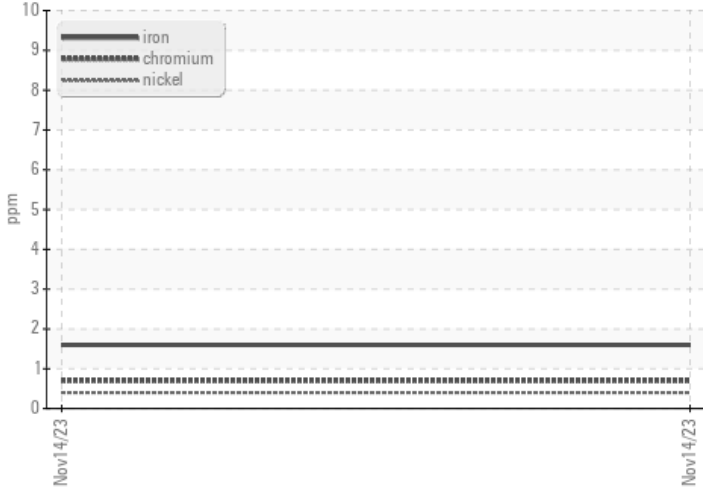


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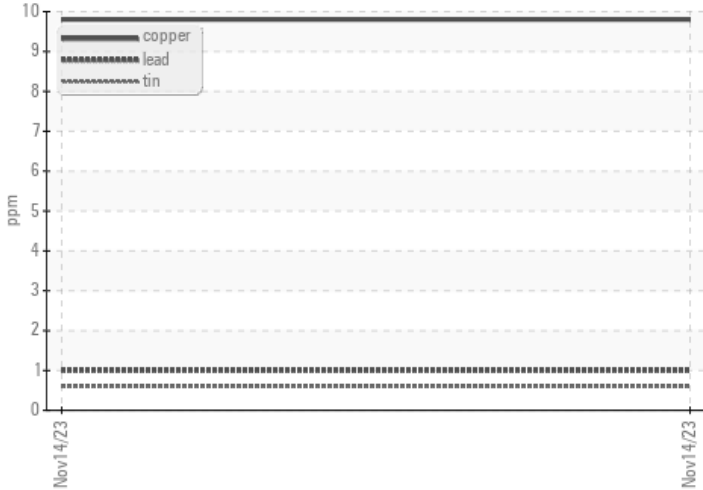


VOLVO GRAPHS

Ferrous Alloys



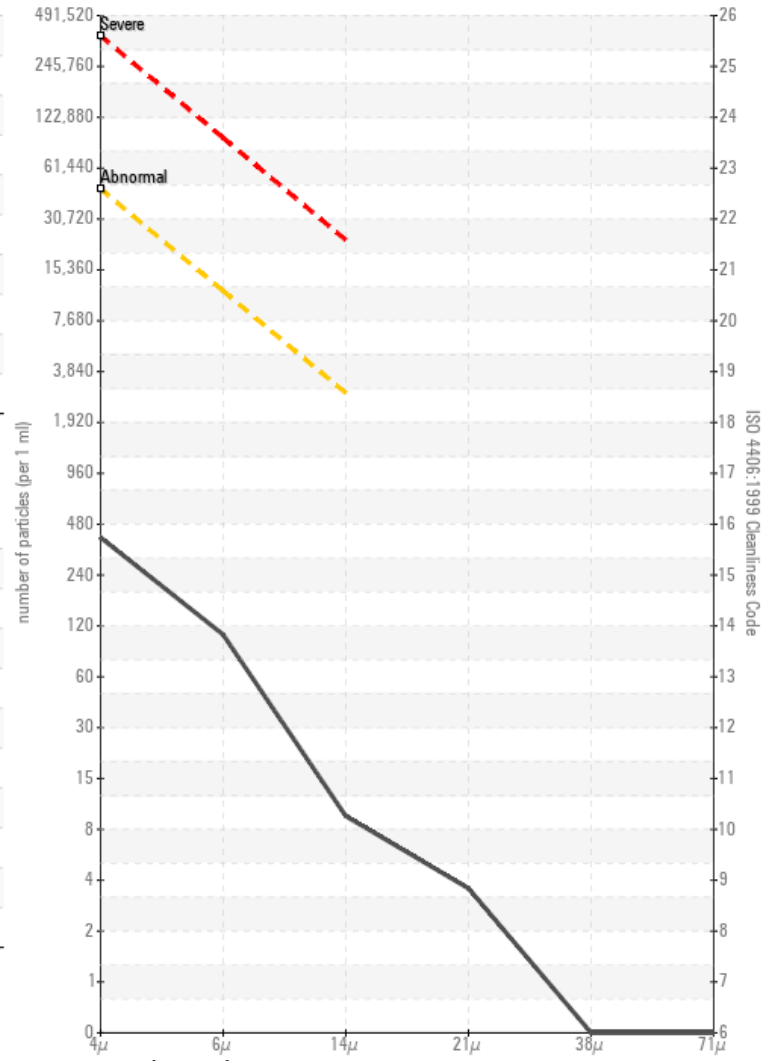
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

