



CONSTRUCTION EQUIPMENT

BUREAU OF LAND MGMT VOLVO EC160E 314205 - HYDRAULIC SYSTEM



Sample No: VCP403605
Oil Type: H46
Job No: BUREAU OF LAND MGMT



SAMPLE INFORMATION

Sample Number	VCP403605	---	---	---
Sample Date	14 Nov 2023	---	---	---
Machine Hours	810	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 42.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 9804	---	---	---
Particles >6µm		█ 316	---	---	---
Particles >14µm		█ 18	---	---	---
ISO 4406:1999 (c)		20/15/11	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
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	█ 2	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	61	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	474	---	---	---
Phosphorus	ppm	347	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLVO1835
Unique No: 10751456
Signed: Wes Davis
Report Date: 21 Nov 2023

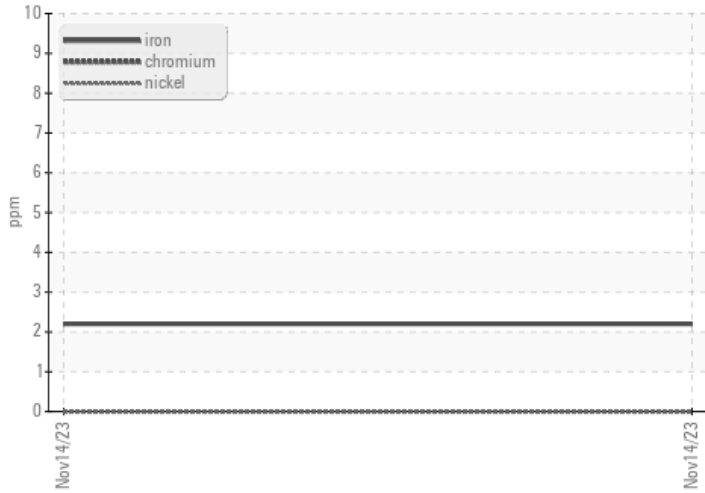


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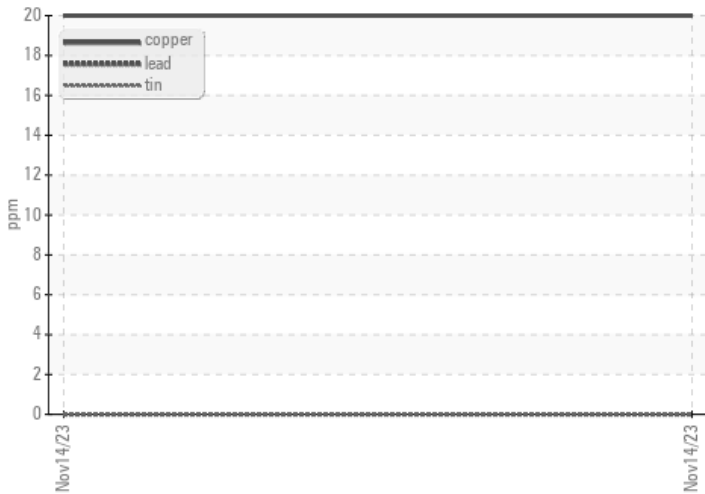


GRAPHS

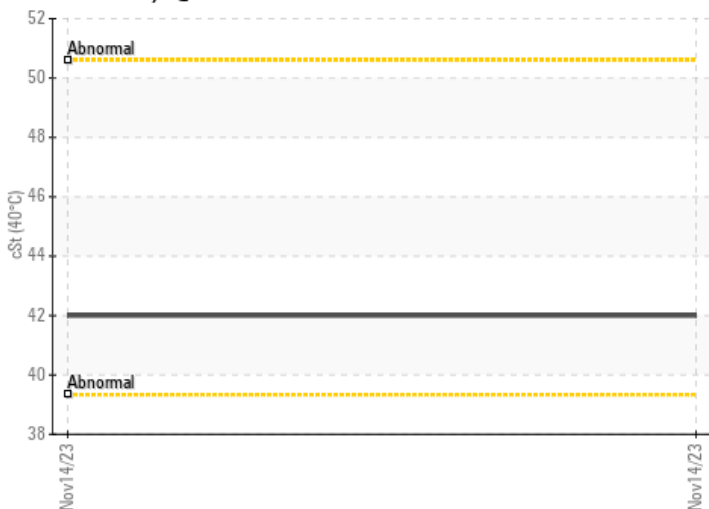
Ferrous Alloys



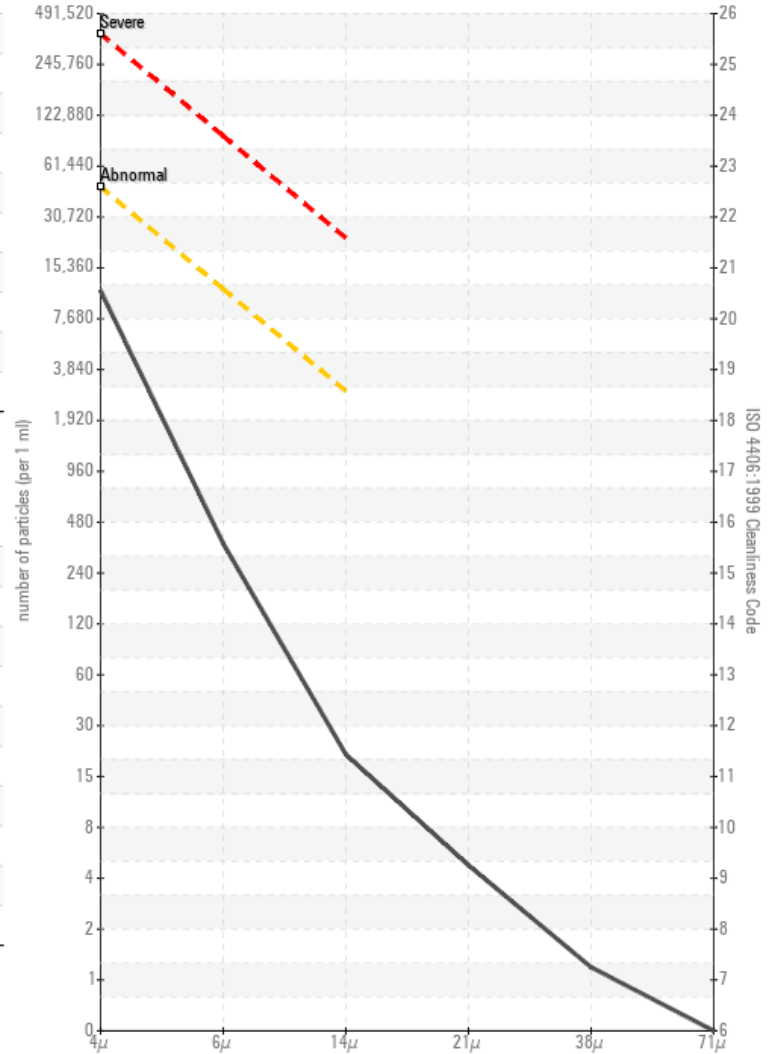
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

