



CONSTRUCTION EQUIPMENT

A1111 VOLVO EC200EL 314115 - HYDRAULIC SYSTEM



Sample No: VCP412349
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11111



SAMPLE INFORMATION

Sample Number	VCP412349	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	550	---	---	---
Oil Hours	550	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

A-JON CONSTRUCTION CO
 719 OLD MARPLE AVENUE
 SPRINGFIELD, PA
 US 19064
 Contact:



OIL CONDITION

Visc @ 40°C	cSt	█ 42.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---

T: (610)328-7128
 F:



CONTAMINATION

Water	%	█ 0.073	---	---	---
Particles >4µm		█ 15729	---	---	---
Particles >6µm		█ 3024	---	---	---
Particles >14µm		█ 213	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

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	█ 43	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 69	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 513	---	---	---
Phosphorus	ppm	█ 378	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: AJOSPR
Unique No: 10672755
Signed: Don Baldrige
Report Date: 03 Oct 2023

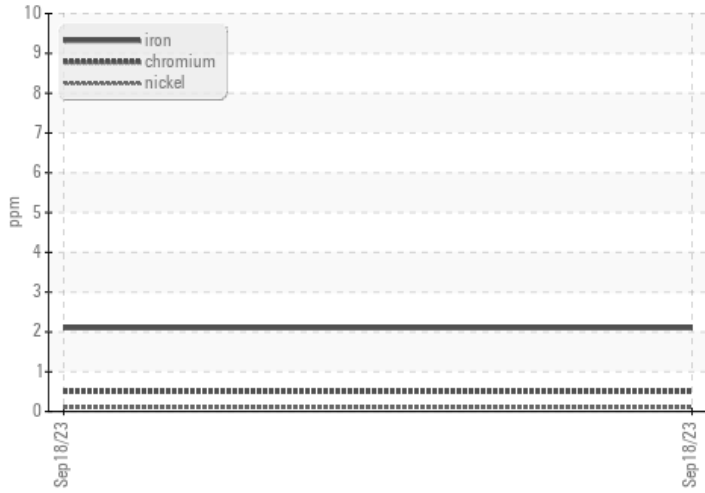


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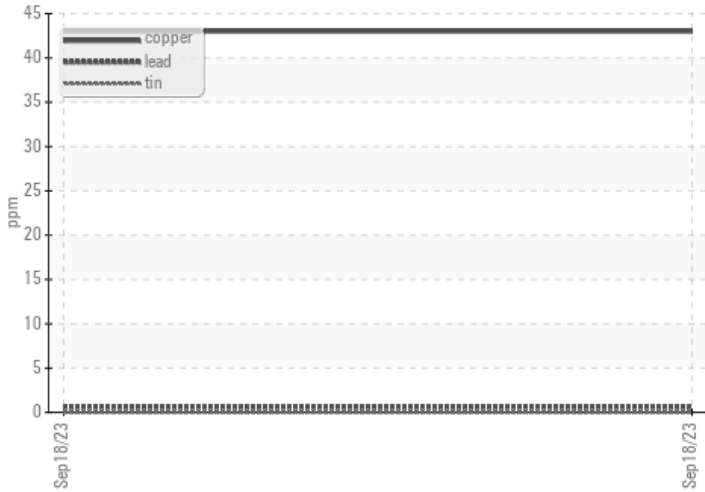


VOLVO GRAPHS

Ferrous Alloys



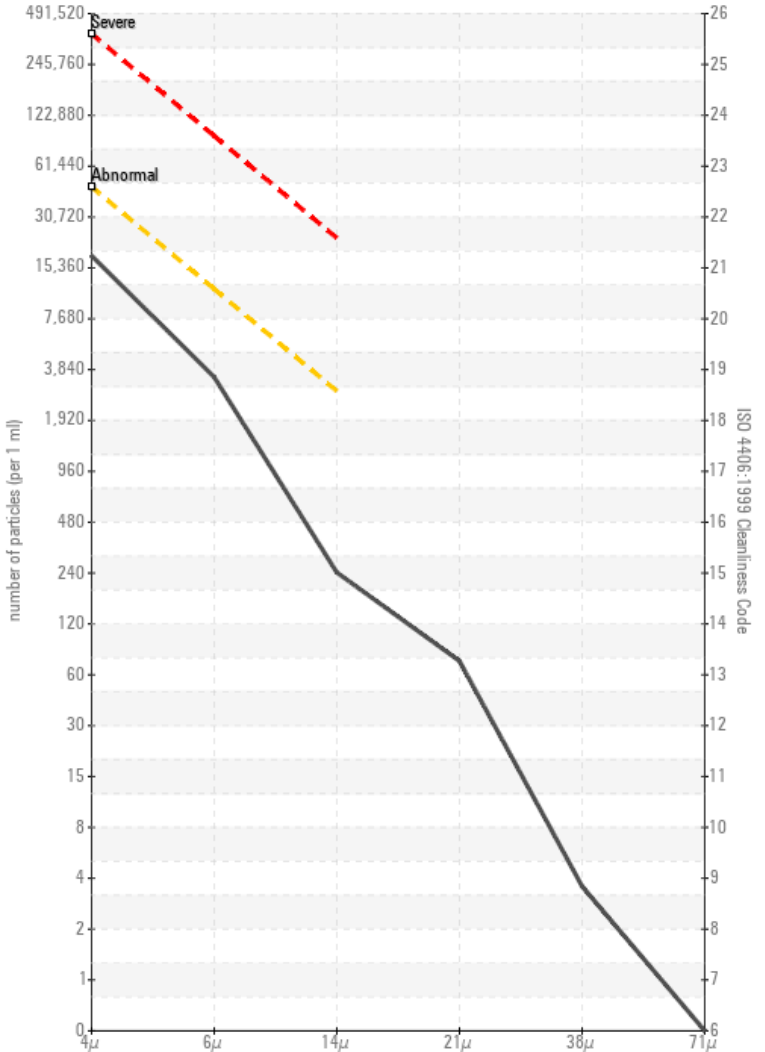
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

