



CONSTRUCTION EQUIPMENT

11556 SIOUX FALLS VOLVO EC350EL 310712 - HYDRAULIC SYSTEM



Sample No: VCE63221
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 11556 SIOUX FALLS



SAMPLE INFORMATION

Sample Number	VCE63221	---	---	---
Sample Date	11 Oct 2023	---	---	---
Machine Hours	4790	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

TRANSOURCE TRUCK & EQUIPMENT

901 EAST 60TH STREET NORTH
 SIOUX FALLS, SD
 US 57104

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OIL CONDITION

Visc @ 40°C	cSt	█ 41.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1158	---	---	---
Particles >6µm		█ 208	---	---	---
Particles >14µm		█ 9	---	---	---
ISO 4406:1999 (c)		17/15/10	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
 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	█ 5	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 54	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 406	---	---	---
Phosphorus	ppm	█ 342	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0035
Unique No: 10751457
Signed: Wes Davis
Report Date: 21 Nov 2023

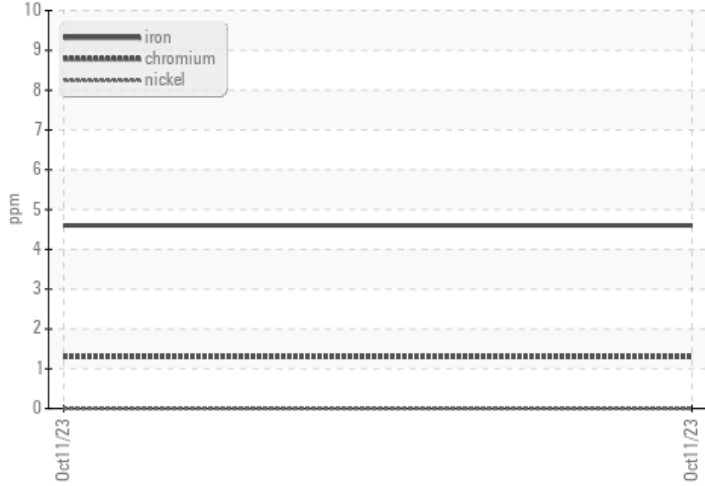


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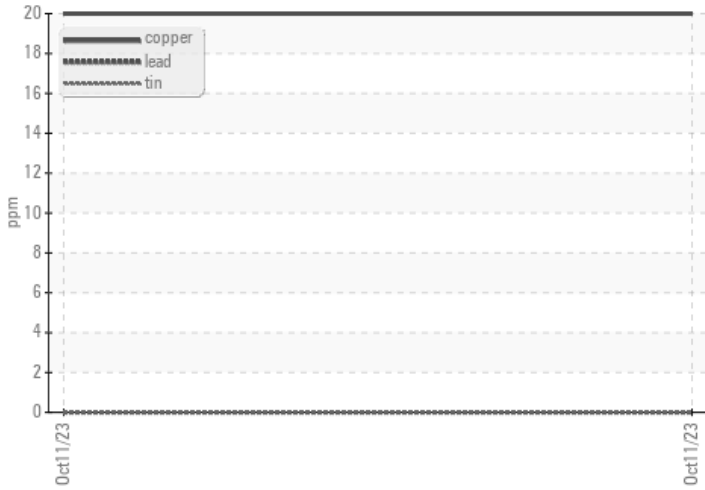


GRAPHS

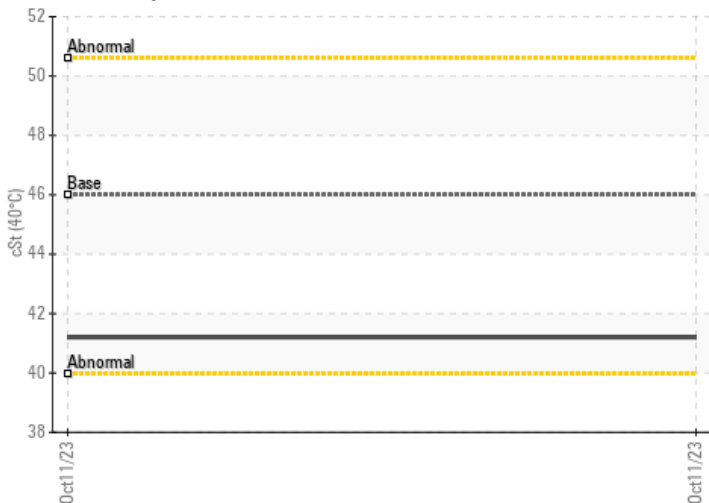
Ferrous Alloys



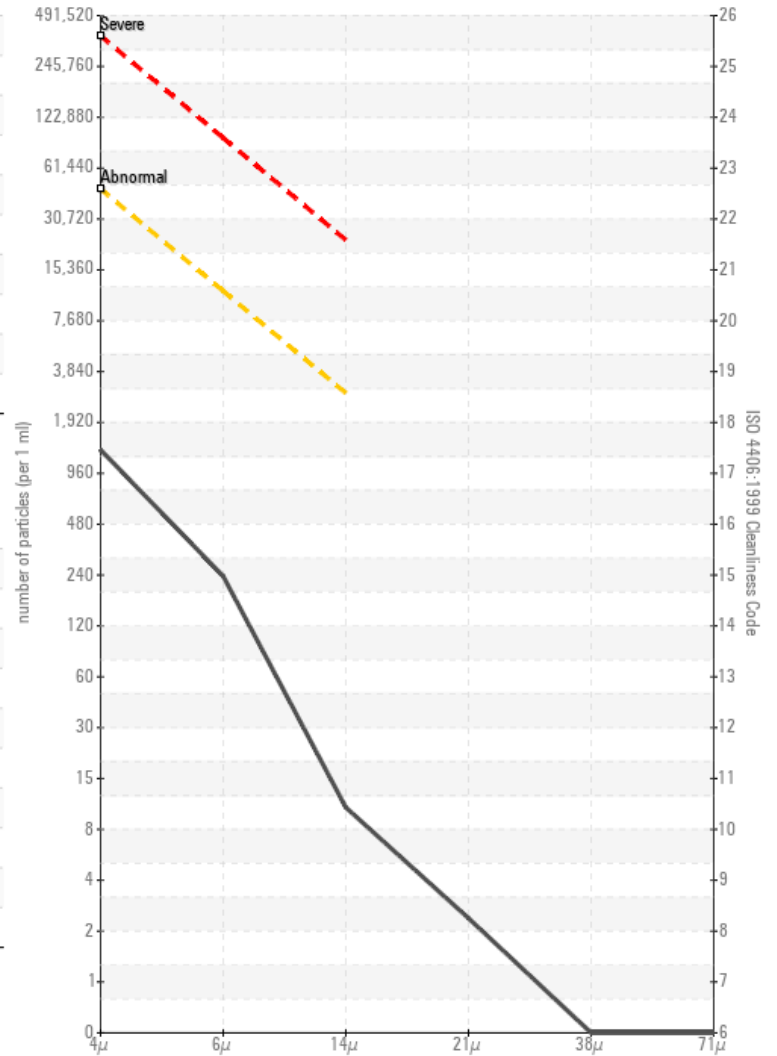
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

