



CONSTRUCTION EQUIPMENT

18821 HERC VOLVO EC350EL 314417 - HYDRAULIC SYSTEM



Sample No: VCP420378
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 18821 HERC



SAMPLE INFORMATION

Sample Number	VCP420378	---	---	---
Sample Date	21 Jun 2023	---	---	---
Machine Hours	535	---	---	---
Oil Hours	535	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 40°C	cSt	█ 43.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.72	---	---	---



CONTAMINATION

Particles >4µm		█ 20434	---	---	---
Particles >6µm		█ 1141	---	---	---
Particles >14µm		█ 56	---	---	---
ISO 4406:1999 (c)		22/17/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 10	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	674	---	---	---
Magnesium	ppm	█ 37	---	---	---
Zinc	ppm	█ 685	---	---	---
Phosphorus	ppm	█ 559	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 11	---	---	---

Depot: VOLVO8769
Unique No: 10538822
Signed: Don Baldrige
Report Date: 04 Jul 2023

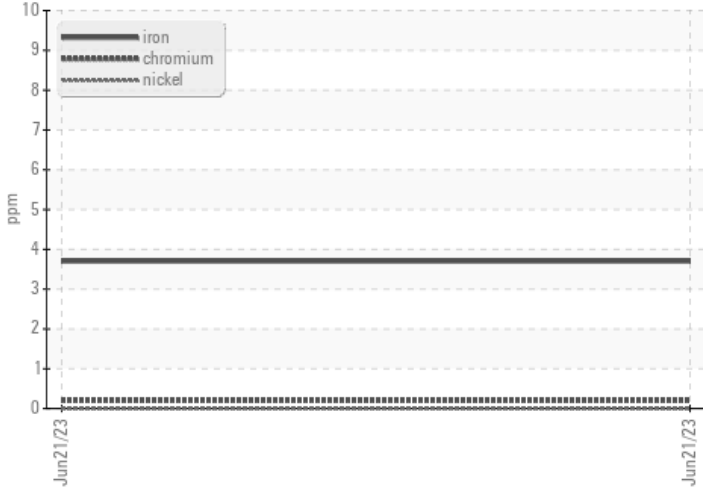


CONSTRUCTION EQUIPMENT

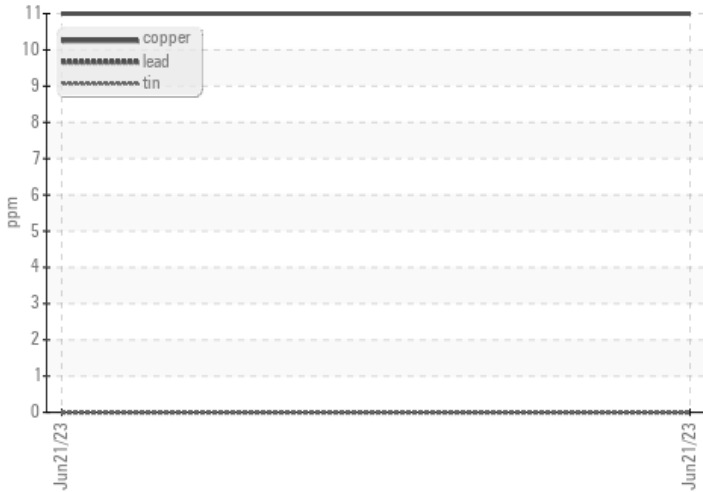


VOLVO GRAPHS

Ferrous Alloys



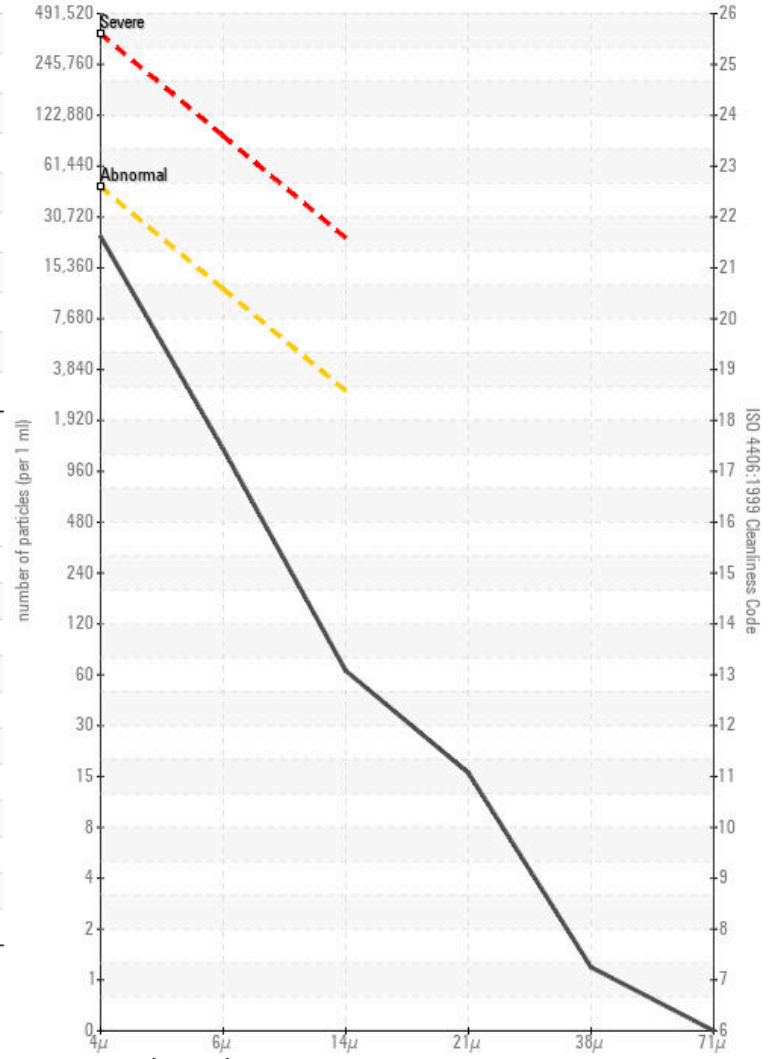
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

