



CONSTRUCTION EQUIPMENT

HERC RENTALS VOLVO ECR145 3 16581 - HYDRAULIC SYSTEM



Sample No: VCP444716
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: HERC RENTALS



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SAMPLE INFORMATION

Sample Number	VCP444716	---	---	---
Sample Date	20 Jun 2024	---	---	---
Machine Hours	1018	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 43.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.65	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 52051	---	---	---
Particles >6µm		● 10463	---	---	---
Particles >14µm		█ 441	---	---	---
ISO 4406:1999 (c)		23/21/16	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 29	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 327	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 648	---	---	---
Phosphorus	ppm	█ 525	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 1	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 11099340
Signed: Wes Davis
Report Date: 27 Jun 2024

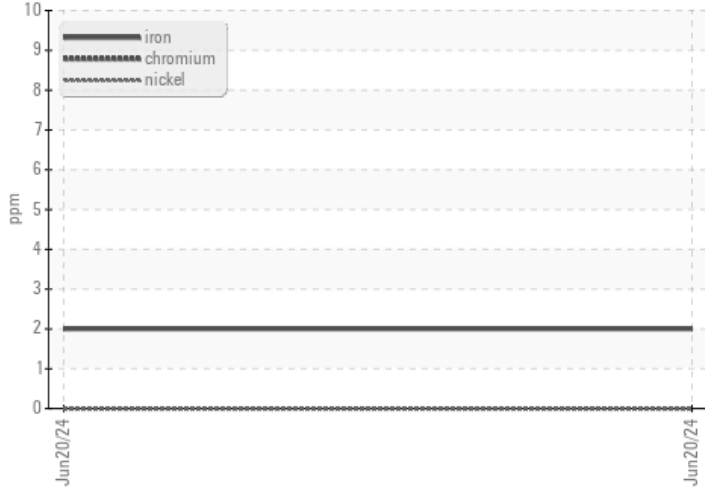


CONSTRUCTION EQUIPMENT

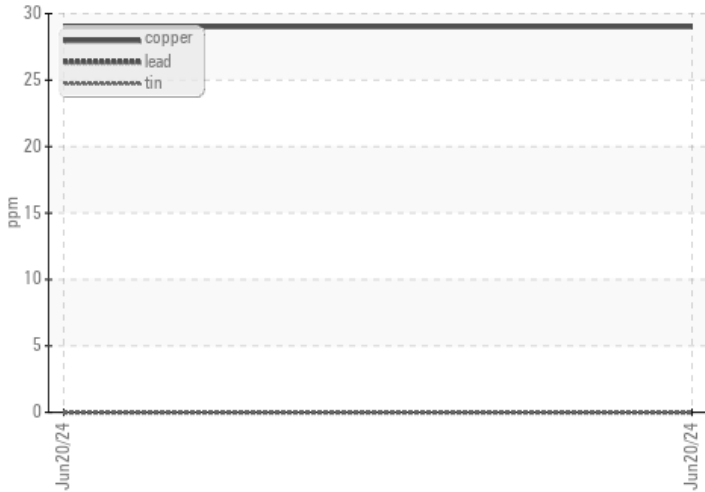


GRAPHS

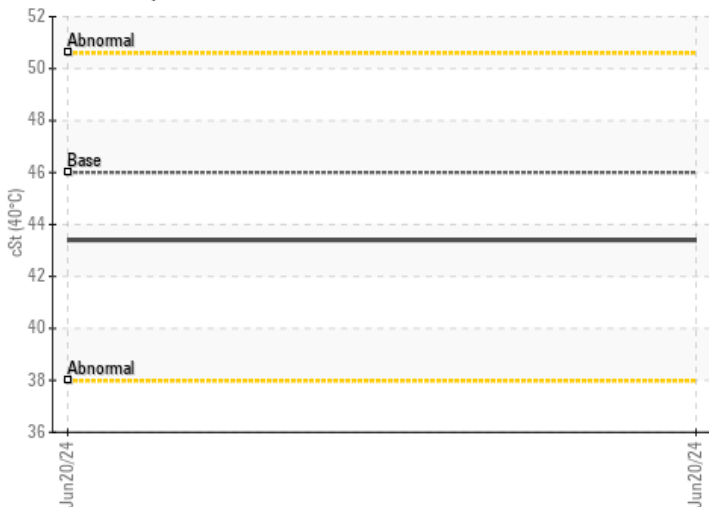
Ferrous Alloys



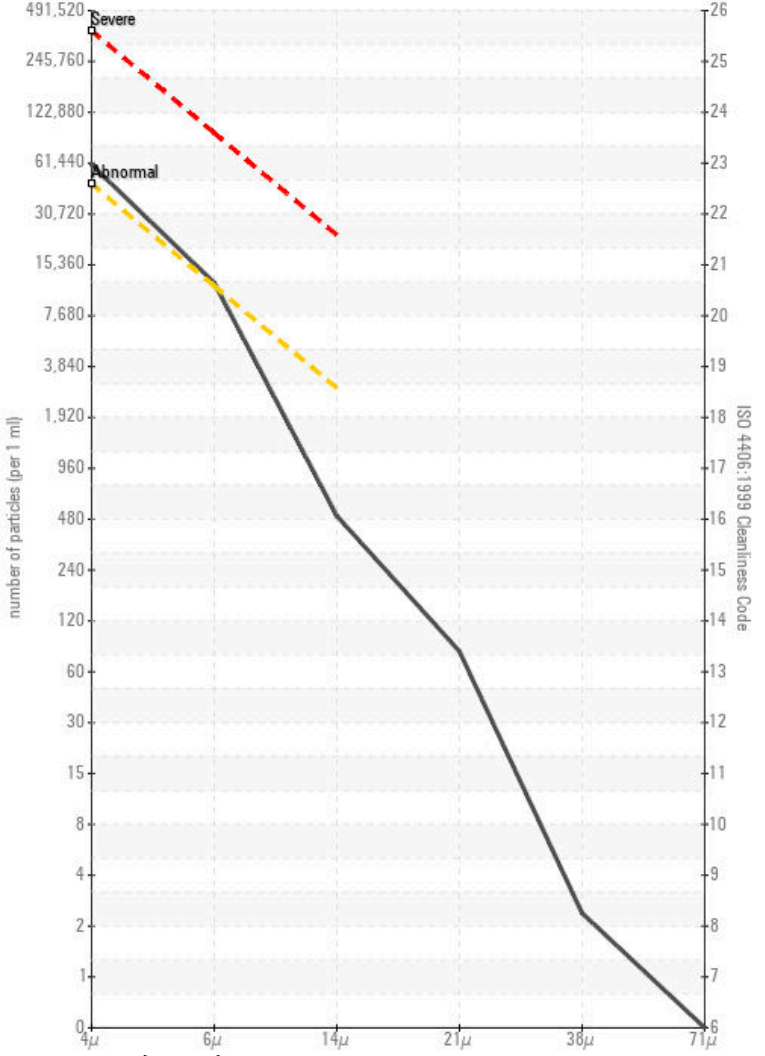
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

