



CONSTRUCTION EQUIPMENT

HERC RENTALS VOLVO ECR145 316676 - HYDRAULIC SYSTEM



Sample No: VCP449799
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: HERC RENTALS



SAMPLE INFORMATION

Sample Number	VCP449799	---	---	---
Sample Date	25 Apr 2024	---	---	---
Machine Hours	631	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 44.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.79	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 13127	---	---	---
Particles >6µm		█ 2033	---	---	---
Particles >14µm		█ 73	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
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 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	█ 2	---	---	---
Copper	ppm	█ 30	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 585	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 698	---	---	---
Phosphorus	ppm	█ 575	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0096
Unique No: 11006354
Signed: Don Baldrige
Report Date: 03 May 2024

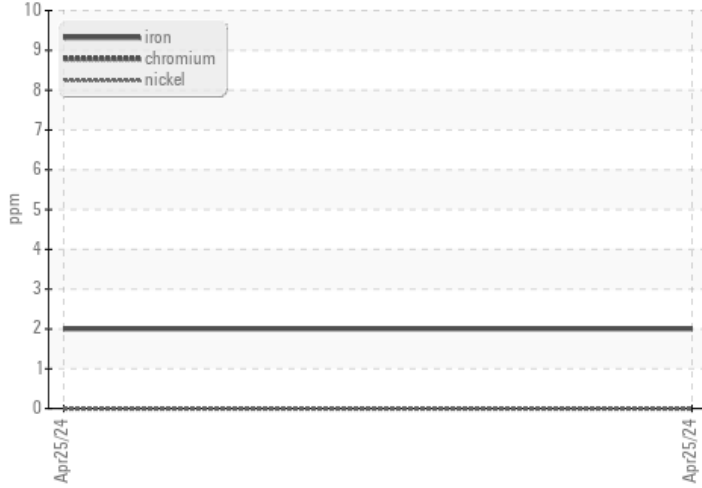


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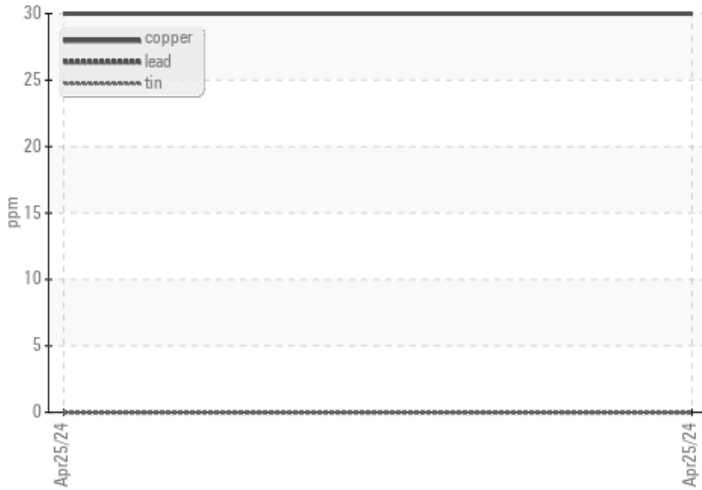


GRAPHS

Ferrous Alloys



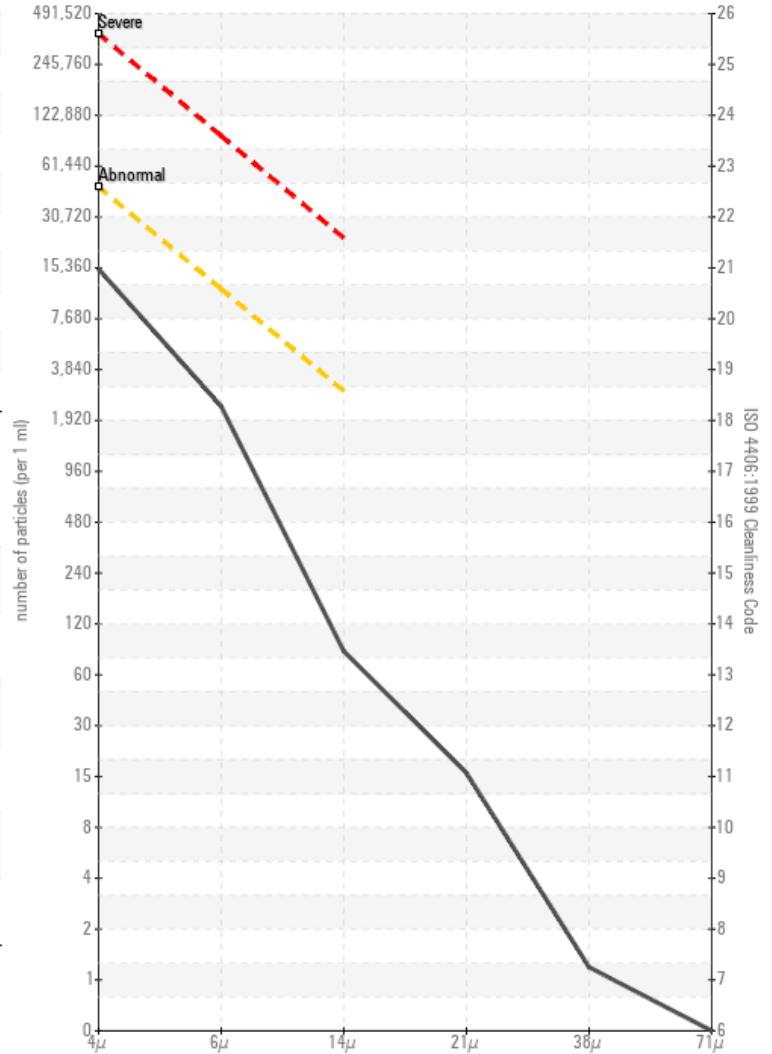
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

