CONSTRUCTION EQUIPMENT
VOLVO ECR58F 11700 - HYDRAULIC SYSTEM

Sample No: VCP412644
Oil Type: OEM
Job No:

DH FUNK AND SONS LLC
3995 CONTINENTAL DRIVE
COLUMBIA, PA
US 17512
Contact: GARY SHEPHERD
GSHEPHERD@DHFUNK.COM
T:
F:

SAMPLE INFORMATION

Sample Number		**VCP412644**	---	---	---
Sample Date		**20 Nov 2023**	---	---	---
Machine Hours		**1000**	---	---	---
Oil Hours		**1000**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.8**	---	---	---
Acid Number (AN)	mg KOH/g	**0.35**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**7094**	---	---	---
Particles >6µm		**128**	---	---	---
Particles >14µm		**6**	---	---	---
ISO 4406:1999 (c)		**20/14/10**	---	---	---
Silicon	ppm	**3**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**3**	---	---	---

WEAR METALS

Iron	ppm	**9**	---	---	---
Copper	ppm	**6**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**2**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**4**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**201**	---	---	---
Magnesium	ppm	**30**	---	---	---
Zinc	ppm	**486**	---	---	---
Phosphorus	ppm	**377**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**1**	---	---	---

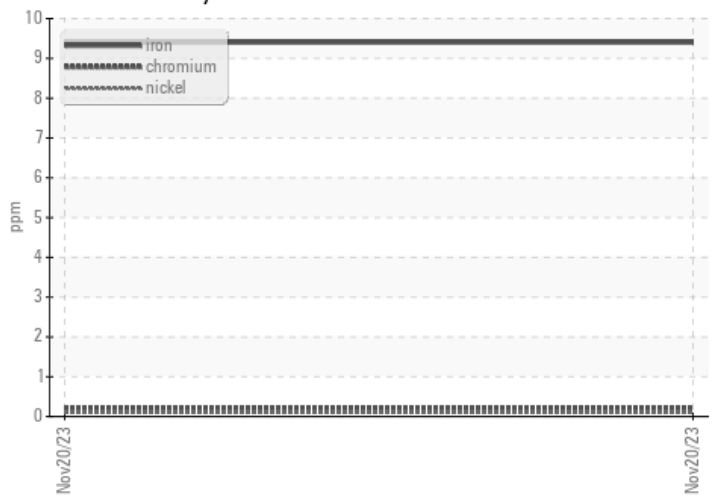
Diagnosis

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.

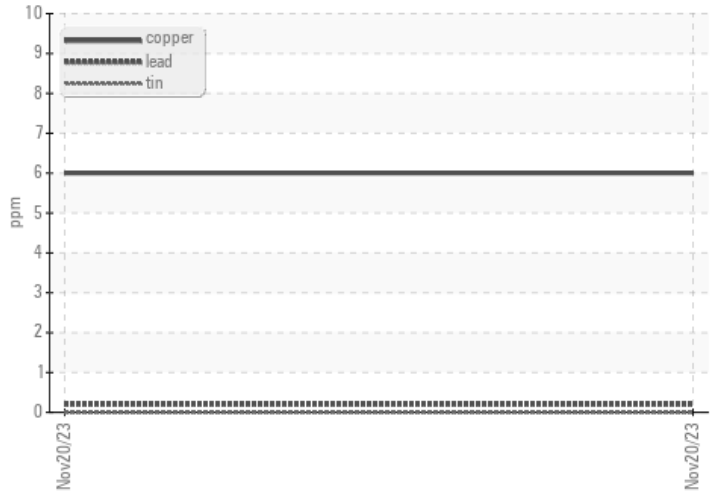
Depot: DHFCOL
Unique No: 10755451
Signed: Jonathan Hester
Report Date: 28 Nov 2023

GRAPHS

Ferrous Alloys

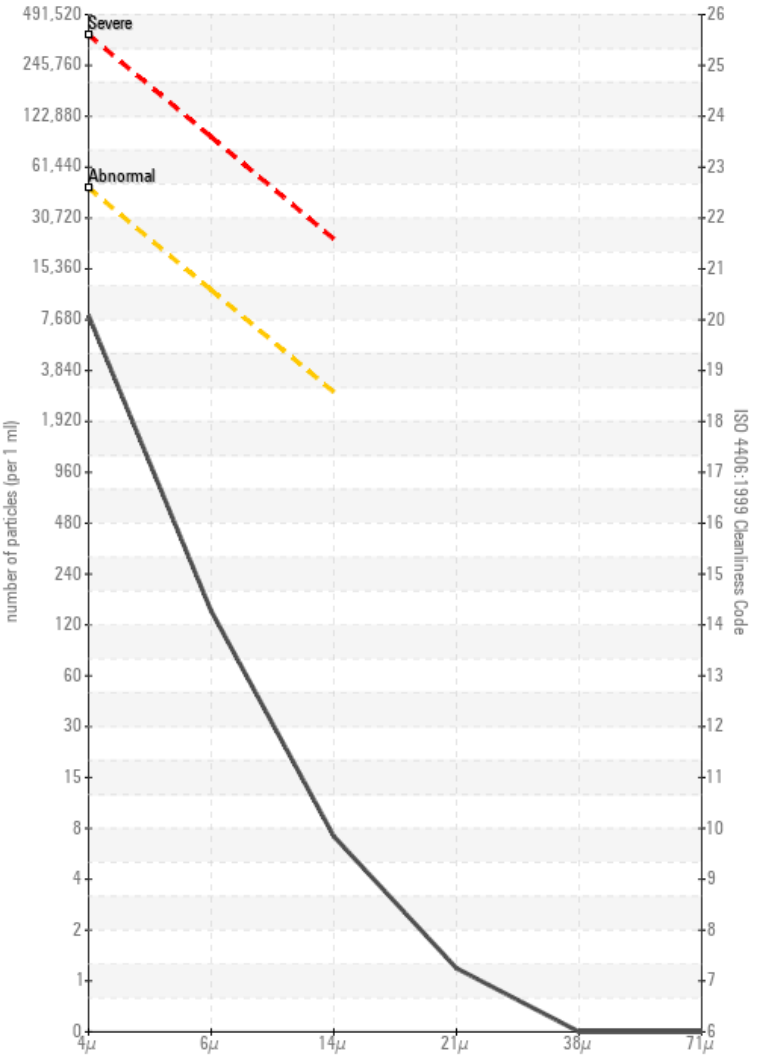


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number