CONSTRUCTION EQUIPMENT
CATERPILLAR 988K TWX01434 - HYDRAULIC SYSTEM

Sample No: VCP327114
Oil Type: CAT HYDO
Job No:

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:

SAMPLE INFORMATION

Sample Number		**VCP327114**	---	---	---
Sample Date		**14 Dec 2023**	---	---	---
Machine Hours		**27633**	---	---	---
Oil Hours		**3308**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**40.6**	---	---	---
Acid Number (AN)	mg KOH/g	**0.58**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**5840**	---	---	---
Particles >6µm		**229**	---	---	---
Particles >14µm		**14**	---	---	---
ISO 4406:1999 (c)		**20/15/11**	---	---	---
Silicon	ppm	**2**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**25**	---	---	---
Copper	ppm	**2**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**0**	---	---	---
Chromium	ppm	**6**	---	---	---
Molybdenum	ppm	**9**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**590**	---	---	---
Magnesium	ppm	**20**	---	---	---
Zinc	ppm	**876**	---	---	---
Phosphorus	ppm	**753**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**65**	---	---	---

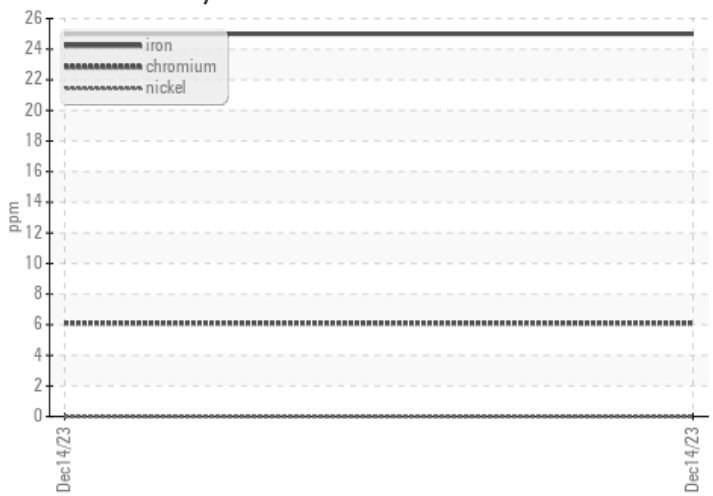
Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The iron level is abnormal. All other component wear rates are normal. There is a moderate 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.

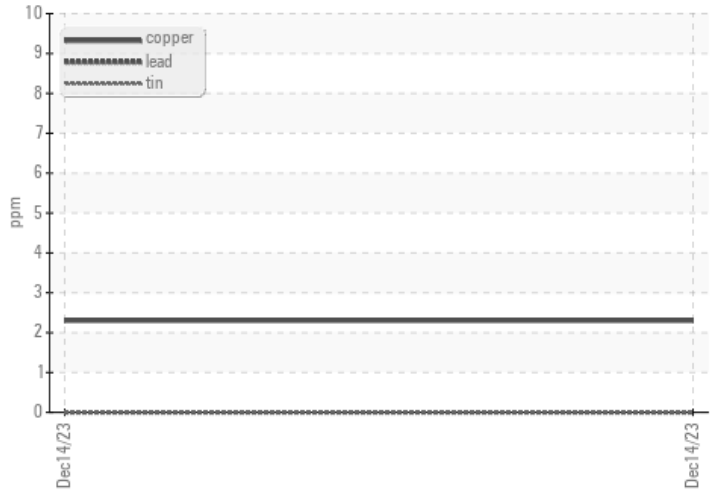
Depot: VOLVO8885
Unique No: 10802680
Signed: Don Baldridge
Report Date: 22 Dec 2023

GRAPHS

Ferrous Alloys

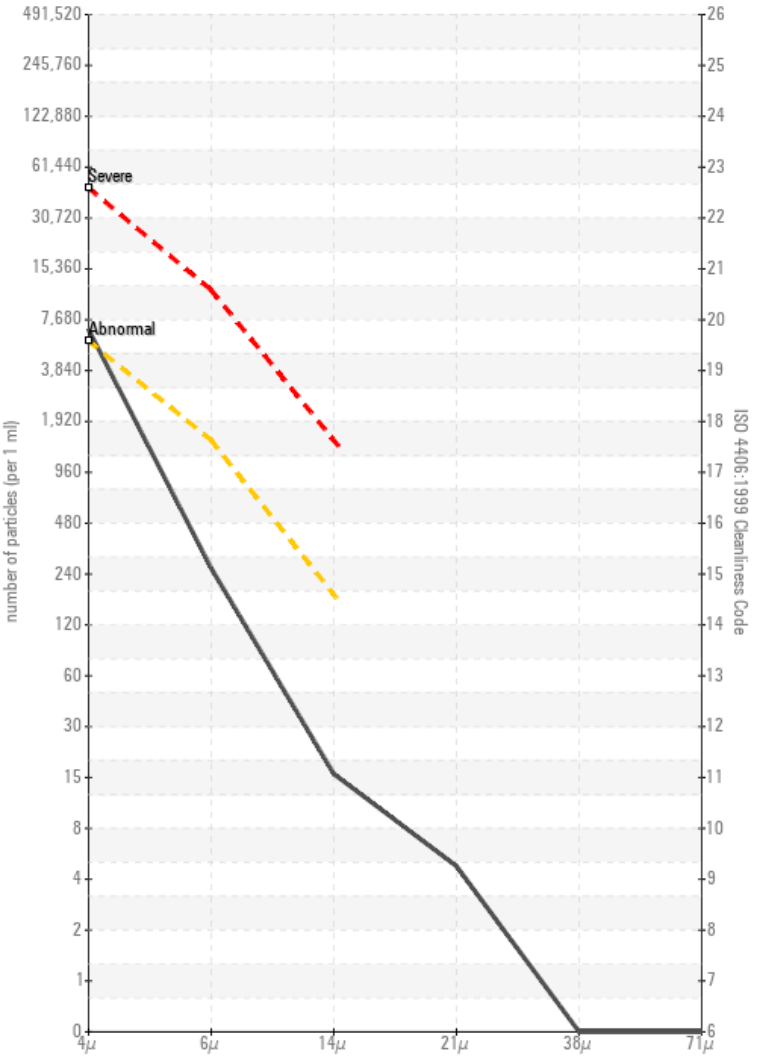


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number