CONSTRUCTION EQUIPMENT
VOLVO L70H L70H 622621 - HYDRAULIC SYSTEM

Sample No: VCP0007999
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:

ALTA EQUIPMENT COMPANY
8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256
Contact: TECHNICIAN ACCOUNT
catherine.anastasio@wearcheck.com
T:
F: (904)737-1260

SAMPLE INFORMATION

Sample Number		**VCP0007999**	---	---	---
Sample Date		**10 Jul 2023**	---	---	---
Machine Hours		**0**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**N/A**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**41.8**	---	---	---
Acid Number (AN)	mg KOH/g	**0.36**	---	---	---

CONTAMINATION

Particles >4µm		▲ **15238**	---	---	---
Particles >6µm		▲ **2968**	---	---	---
Particles >14µm		▲ **167**	---	---	---
ISO 4406:1999 (c)		**21/19/15**	---	---	---
Silicon	ppm	**4**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

Iron	ppm	**4**	---	---	---
Copper	ppm	**5**	---	---	---
Lead	ppm	**2**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**1**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**265**	---	---	---
Magnesium	ppm	**5**	---	---	---
Zinc	ppm	**430**	---	---	---
Phosphorus	ppm	**366**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

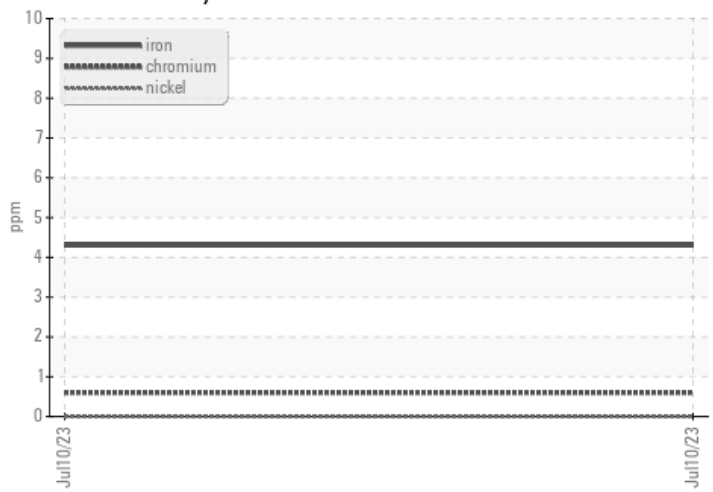
Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
All 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

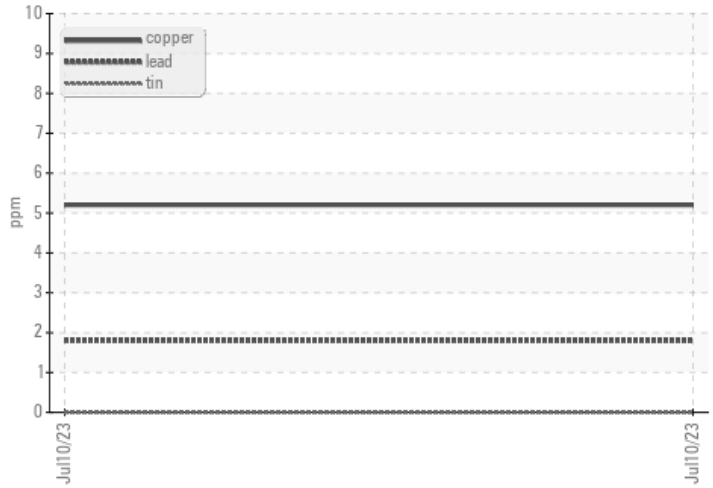
Depot: VOLVO0092
Unique No: 10551896
Signed: Wes Davis
Report Date: 13 Jul 2023

GRAPHS

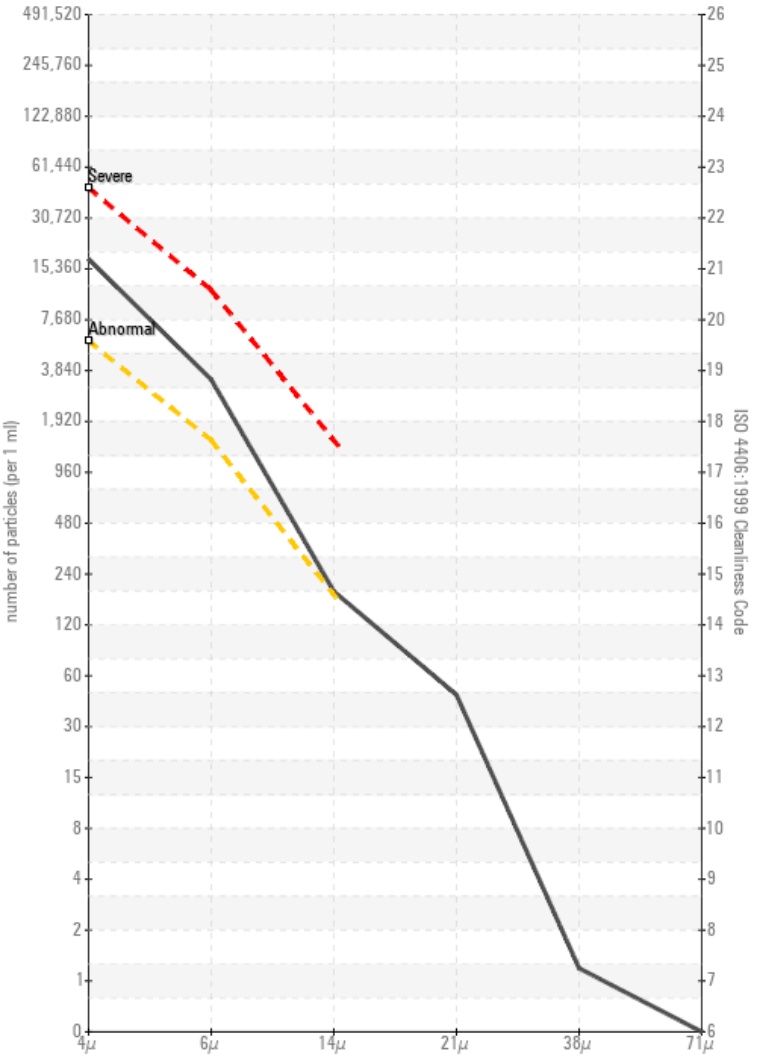
Ferrous Alloys



Non-ferrous Metals



Particle Count



Viscosity @ 40°C

Acid Number