CONSTRUCTION EQUIPMENT

567315 MOTOR CITY VOLVO L220H 3365 - HYDRAULIC SYSTEM

Sample No: VCP407599
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 567315 MOTOR CITY

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
paul.conz@altg.com
T:
F: (248)356-2029

SAMPLE INFORMATION

Sample Number		**VCP407599**	---	---	---
Sample Date		**29 Jun 2023**	---	---	---
Machine Hours		**1996**	---	---	---
Oil Hours		**1996**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**41.6**	---	---	---
Acid Number (AN)	mg KOH/g	**0.27**	---	---	---

CONTAMINATION

Particles >4µm		**22280**	---	---	---
Particles >6µm		**5575**	---	---	---
Particles >14µm		**293**	---	---	---
ISO 4406:1999 (c)		**22/20/15**	---	---	---
Silicon	ppm	**<1**	---	---	---
Sodium	ppm	**3**	---	---	---
Potassium	ppm	**2**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**55**	---	---	---
Magnesium	ppm	**0**	---	---	---
Zinc	ppm	**483**	---	---	---
Phosphorus	ppm	**371**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

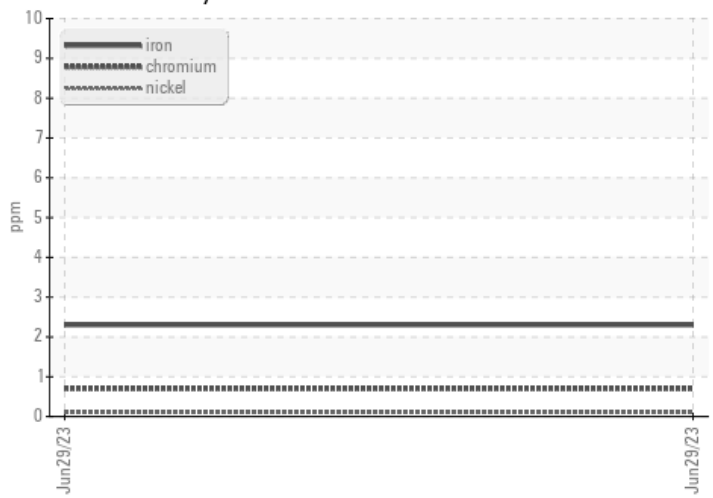
Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 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.

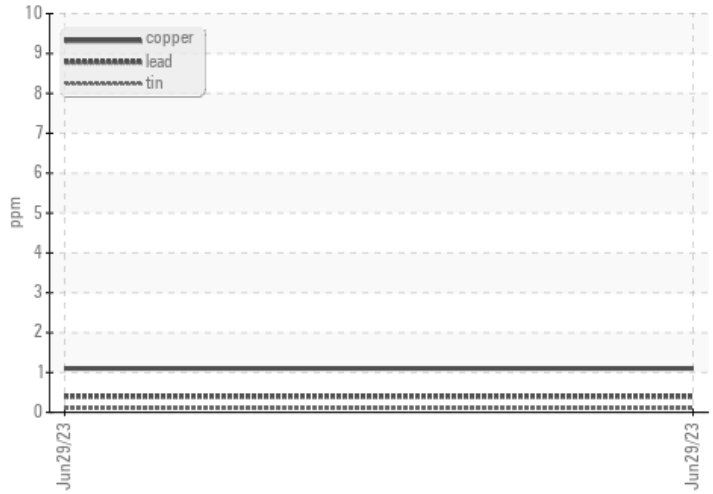
Depot: VOLVO2990
Unique No: 10545862
Signed: Wes Davis
Report Date: 06 Jul 2023

GRAPHS

Ferrous Alloys

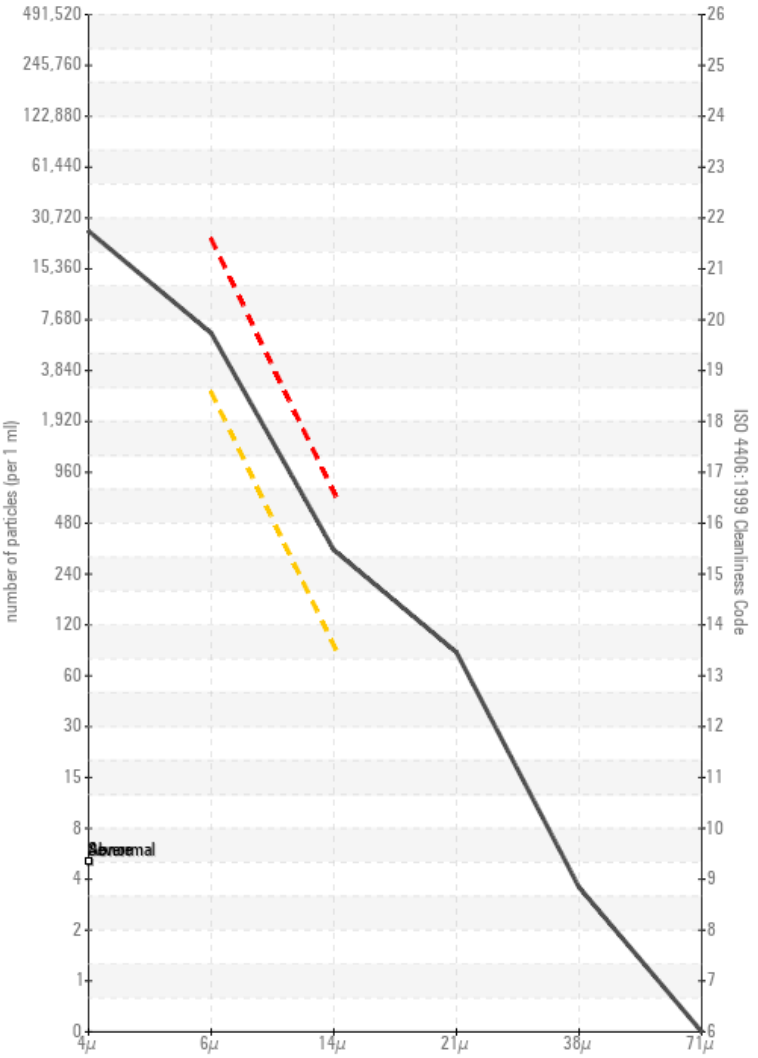


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number