CONSTRUCTION EQUIPMENT
X47542 - HYDRAULIC SYSTEM

Sample No: VCP434974
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X47542

SCOTT EQUIPMENT COMPANY LLC - Lavergne
1231 BRIDGESTONE PARKWAY
LAVERGNE, TN
US 37086
Contact: ANDY CHAMBERS
achambers@scottcompanies.com
T:
F: (615)793-9655

SAMPLE INFORMATION

Sample Number		**VCP434974**	VCP339089	---	---
Sample Date		**21 Mar 2024**	23 Jun 2022	---	---
Machine Hours		**6188**	4252	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**N/A**	N/A	---	---
Sample Status		**ABNORMAL**	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.0**	43.0	---	---
Acid Number (AN)	mg KOH/g	**0.35**	0.24	---	---

CONTAMINATION

Water	%	▲ **0.230**	NEG	---	---
Particles >4µm		**---**	20600	---	---
Particles >6µm		**---**	412	---	---
Particles >14µm		**---**	20	---	---
ISO 4406:1999 (c)		**---**	22/16/11	---	---
Silicon	ppm	**5**	1	---	---
Sodium	ppm	**0**	0	---	---
Potassium	ppm	**2**	0	---	---

WEAR METALS

Iron	ppm	▲ **23**	2	---	---
Copper	ppm	**22**	17	---	---
Lead	ppm	**1**	0	---	---
Tin	ppm	**1**	0	---	---
Aluminum	ppm	**3**	<1	---	---
Chromium	ppm	**5**	<1	---	---
Molybdenum	ppm	**3**	<1	---	---
Nickel	ppm	**<1**	0	---	---
Titanium	ppm	**<1**	0	---	---
Silver	ppm	**0**	<1	---	---
Manganese	ppm	**2**	0	---	---
Vanadium	ppm	**<1**	0	---	---

ADDITIVES

Calcium	ppm	**70**	85	---	---
Magnesium	ppm	**7**	0	---	---
Zinc	ppm	**392**	159	---	---
Phosphorus	ppm	**371**	385	---	---
Barium	ppm	**1**	0	---	---
Boron	ppm	**0**	1	---	---

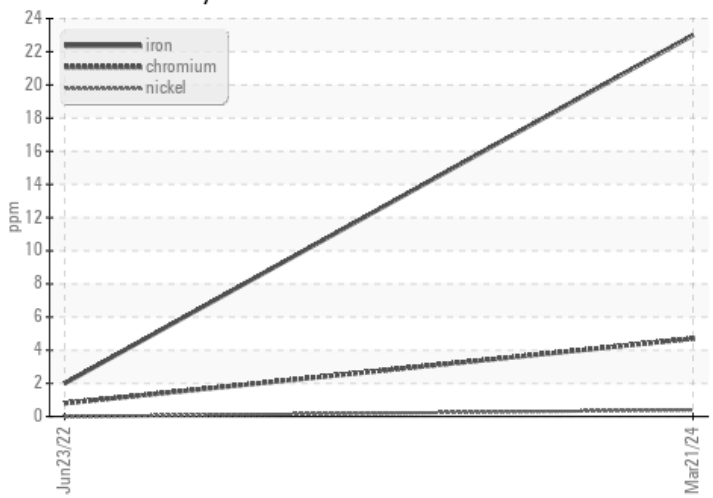
Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.The iron level is abnormal. All other component wear rates are normal. Appearance is milky. There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid.

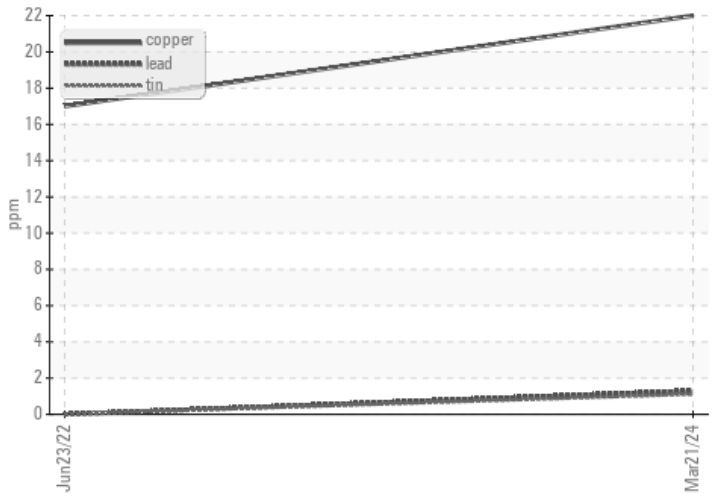
Depot: VOLVO0129
Unique No: 10943505
Signed: Don Baldridge
Report Date: 29 Mar 2024

GRAPHS

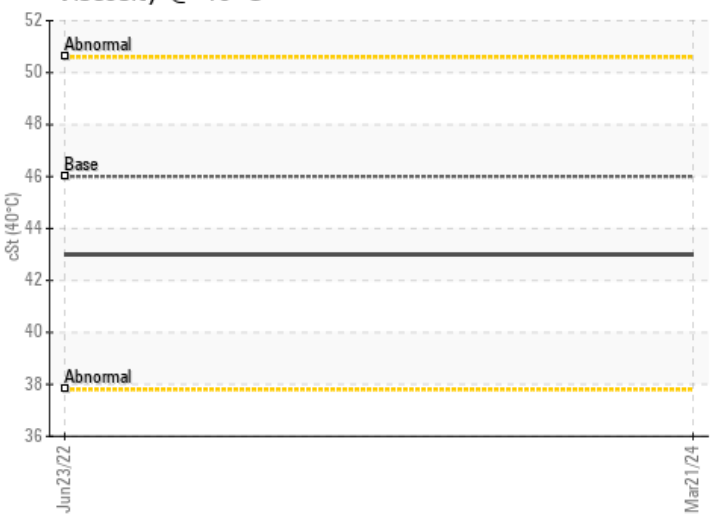
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number