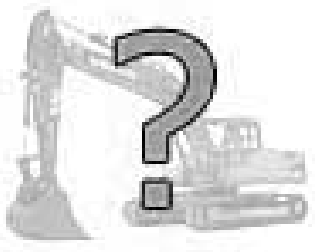
CONSTRUCTION EQUIPMENT
TERRAMAC RT14R 14RH00105 - HYDRAULIC SYSTEM

Sample No: VCP434591
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



ALTA EQUIPMENT
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US 13206
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T: (315)437-2611
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SAMPLE INFORMATION

Sample Number		**VCP434591**	VCP368614	---	---
Sample Date		**15 Apr 2024**	12 Apr 2023	---	---
Machine Hours		**2616**	2320	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Changed	---	---
Sample Status		**ATTENTION**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.7**	43.5	---	---
Acid Number (AN)	mg KOH/g	**0.45**	0.58	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**5326**	32963	---	---
Particles >6µm		**522**	11038	---	---
Particles >14µm		**40**	559	---	---
ISO 4406:1999 (c)		**20/16/12**	22/21/16	---	---
Silicon	ppm	**3**	3	---	---
Sodium	ppm	**2**	0	---	---
Potassium	ppm	**2**	0	---	---

WEAR METALS

Iron	ppm	**7**	3	---	---
Copper	ppm	**5**	5	---	---
Lead	ppm	**0**	0	---	---
Tin	ppm	**<1**	0	---	---
Aluminum	ppm	**0**	0	---	---
Chromium	ppm	**0**	0	---	---
Molybdenum	ppm	**11**	55	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**0**	0	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**<1**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**101**	125	---	---
Magnesium	ppm	**9**	40	---	---
Zinc	ppm	**458**	508	---	---
Phosphorus	ppm	**374**	538	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**0**	7	---	---

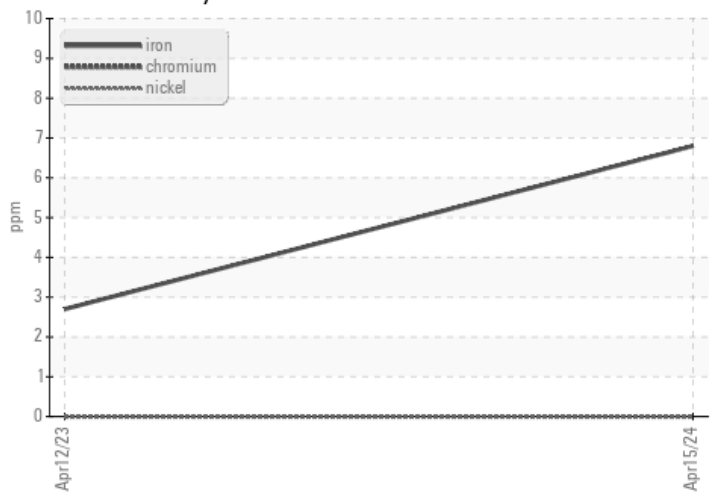
Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a light 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.

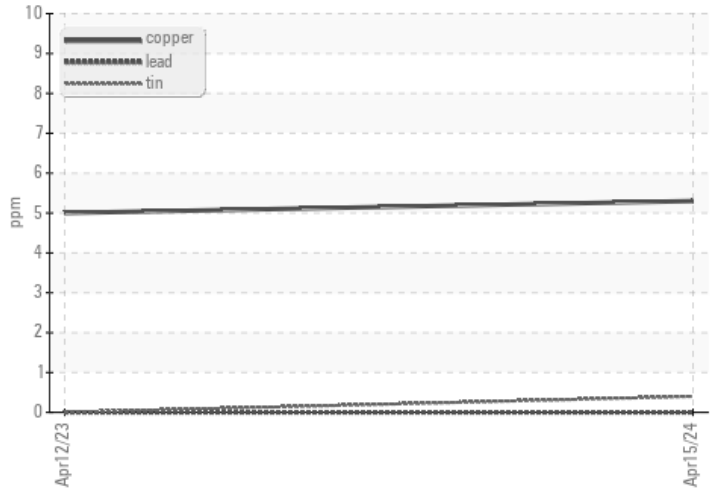
Depot: VOLVO0142
Unique No: 10989701
Signed: Wes Davis
Report Date: 22 Apr 2024

GRAPHS

Ferrous Alloys

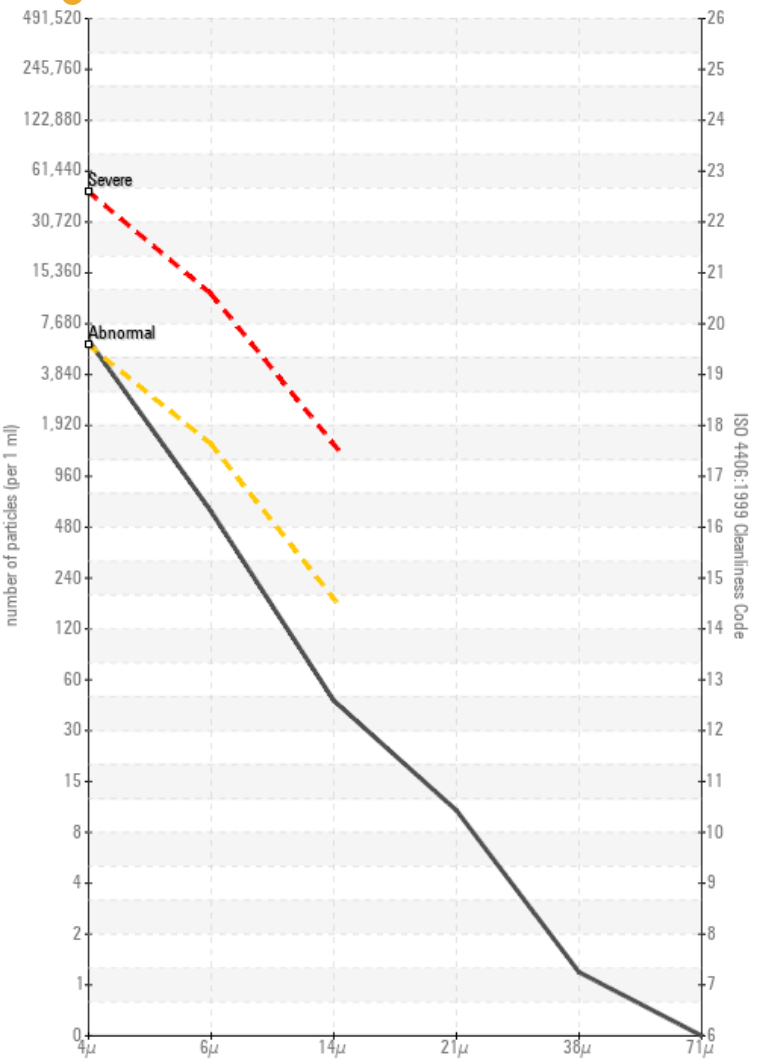


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number