CONSTRUCTION EQUIPMENT

SWA109498 USED EQUIP VOLVO L350H 1101 - HYDRAULIC SYSTEM

Sample No: VCP367677
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA109498 USED EQUIP

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
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SAMPLE INFORMATION

Sample Number		**VCP367677**	VCP355569	VCP315376	---
Sample Date		**10 Nov 2022**	10 May 2022	14 Jul 2021	---
Machine Hours		**5562**	5562	3867	---
Oil Hours		**0**	0	0	---
Oil Changed		**Not Changd**	Changed	Changed	---
Sample Status		**ABNORMAL**	ABNORMAL	NORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	**42.0**	43.0	40.0	---
Acid Number (AN)	mg KOH/g	**0.41**	0.55	0.516	---

CONTAMINATION

Water	%	**NEG**	NEG	NEG	---
Particles >4µm		**62585**	128817	13341	---
Particles >6µm		**5253**	6232	537	---
Particles >14µm		**230**	241	32	---
ISO 4406:1999 (c)		**23/20/15**	24/20/15	21/16/12	---
Silicon	ppm	**2**	4	8	---
Sodium	ppm	**1**	<1	2	---
Potassium	ppm	**0**	1	<1	---

WEAR METALS

Iron	ppm	**3**	11	14	---
Copper	ppm	**<1**	2	2	---
Lead	ppm	**0**	2	2	---
Tin	ppm	**0**	<1	<1	---
Aluminum	ppm	**<1**	<1	0	---
Chromium	ppm	**<1**	2	1	---
Molybdenum	ppm	**<1**	<1	<1	---
Nickel	ppm	**0**	0	<1	---
Titanium	ppm	**0**	0	<1	---
Silver	ppm	**0**	0	2	---
Manganese	ppm	**0**	0	<1	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**153**	340	571	---
Magnesium	ppm	**5**	20	3	---
Zinc	ppm	**480**	664	587	---
Phosphorus	ppm	**416**	501	443	---
Barium	ppm	**0**	2	0	---
Boron	ppm	**0**	9	21	---

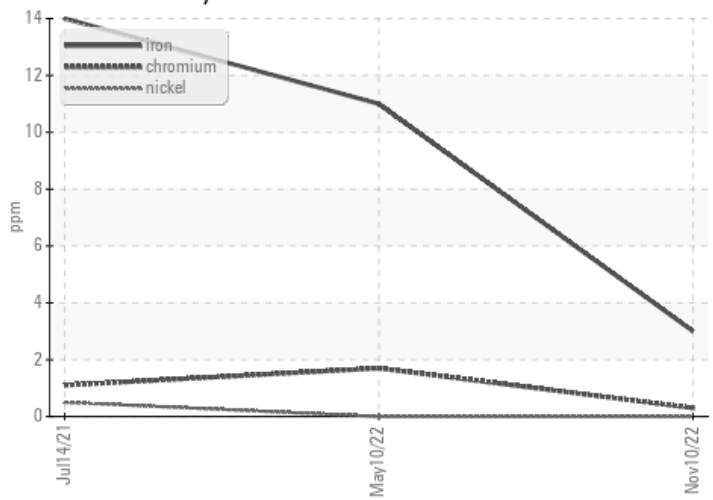
Diagnosis

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 high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

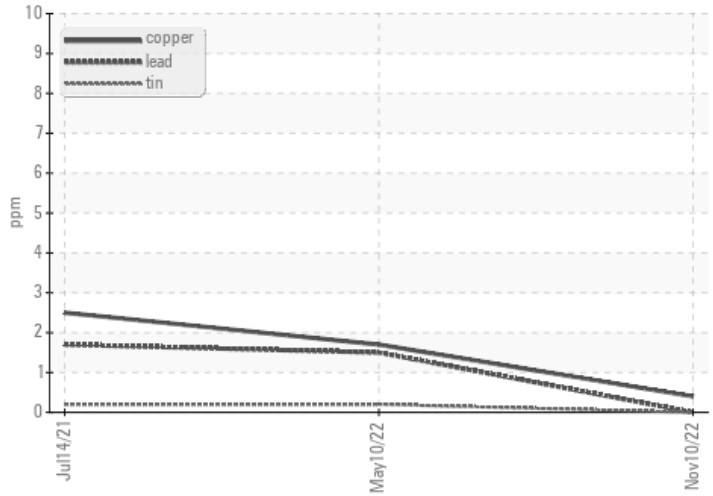
Depot: VOLVO8885
Unique No: 10217059
Signed: Don Baldridge
Report Date: 15 Nov 2022

GRAPHS

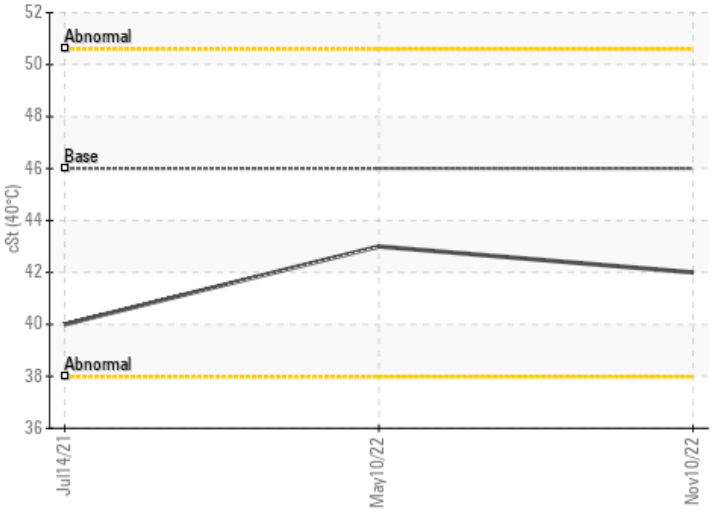
Ferrous Alloys



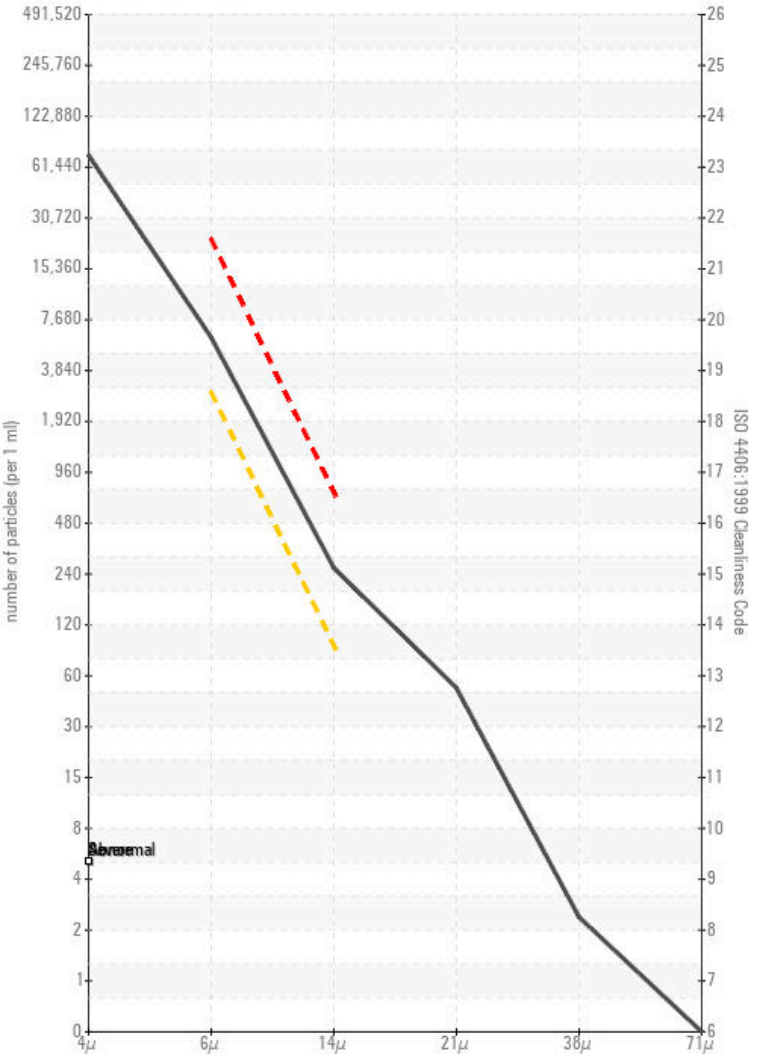
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number