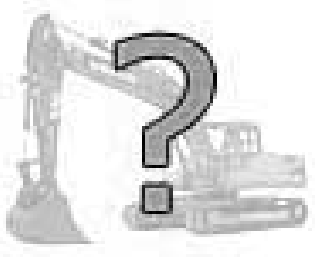
CONSTRUCTION EQUIPMENT

SWO584210 FUCHS MHL340F2 340410/5529 - HYDRAULIC SYSTEM

Sample No: VCP305630
Oil Type: AW HYDRAULIC OIL ISO 10
Job No: SWO584210



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5000 INDUSTRIAL HWY
GARY, IN
US 46406
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T: (248)356-5200
F:

SAMPLE INFORMATION

Sample Number		**VCP305630**	VCP279717	---	---
Sample Date		**30 Mar 2021**	17 Jul 2020	---	---
Machine Hours		**3470**	2006	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Changed	---	---
Sample Status		**ABNORMAL**	ATTENTION	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.8**	44.0	---	---
Acid Number (AN)	mg KOH/g	**0.407**	0.396	---	---

CONTAMINATION

Water	%	▲ **0.181**	NEG	---	---
Particles >4µm		**---**	7042	---	---
Particles >6µm		**---**	1625	---	---
Particles >14µm		**---**	138	---	---
ISO 4406:1999 (c)		**---**	20/18/14	---	---
Silicon	ppm	**3**	5	---	---
Sodium	ppm	**2**	<1	---	---
Potassium	ppm	**0**	<1	---	---

WEAR METALS

Iron	ppm	**5**	15	---	---
Copper	ppm	**2**	2	---	---
Lead	ppm	**<1**	<1	---	---
Tin	ppm	**0**	0	---	---
Aluminum	ppm	**<1**	<1	---	---
Chromium	ppm	**<1**	<1	---	---
Molybdenum	ppm	**<1**	0	---	---
Nickel	ppm	**0**	<1	---	---
Titanium	ppm	**<1**	0	---	---
Silver	ppm	**<1**	<1	---	---
Manganese	ppm	**<1**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**41**	42	---	---
Magnesium	ppm	**<1**	<1	---	---
Zinc	ppm	**406**	409	---	---
Phosphorus	ppm	**304**	315	---	---
Barium	ppm	**0**	<1	---	---
Boron	ppm	**4**	<1	---	---

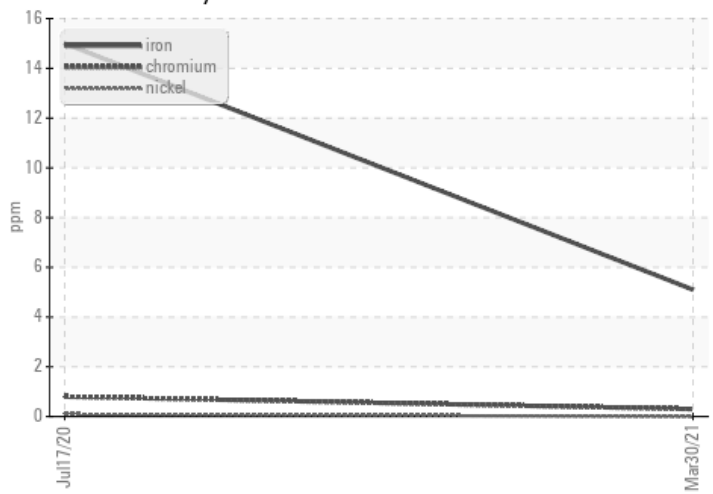
Diagnosis

We recommend you service the filters on this component. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.Moderate concentration of visible metal present. All component wear rates are normal. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid.

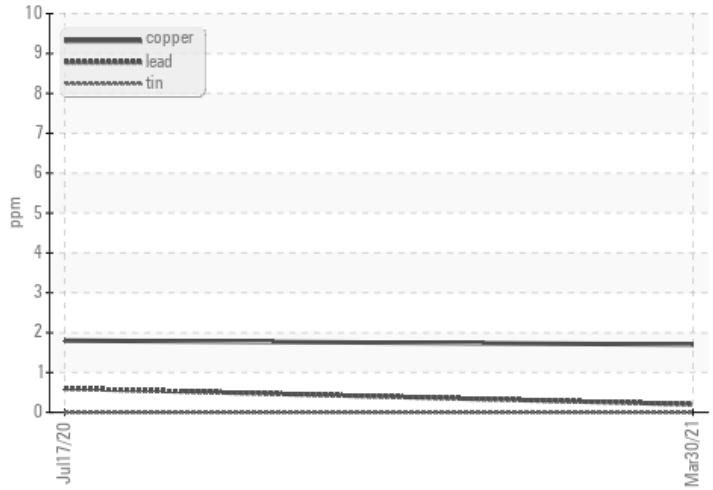
Depot: VOLVO8885
Unique No: 9454500
Signed: Doug Bogart
Report Date: 12 Apr 2021

GRAPHS

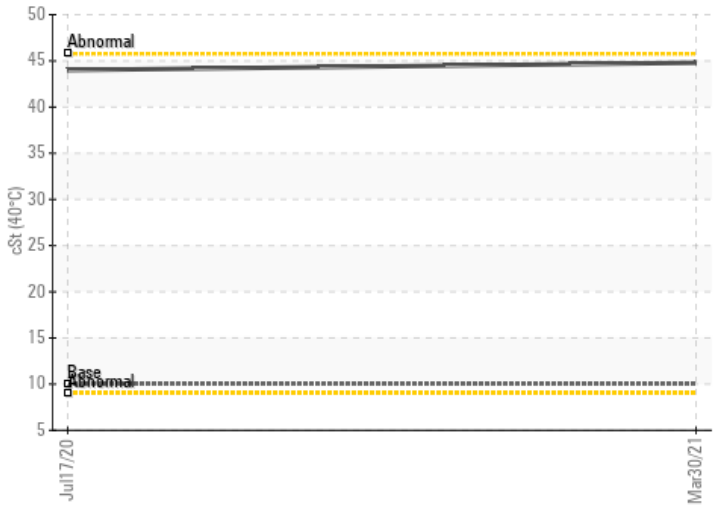
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number