



CONSTRUCTION EQUIPMENT

SWO598136 JOHN DEERE 350G LC 1FF350GXXDE809571 - HYDRAULIC SYSTEM



Sample No: VCP306416

Oil Type: SAE 10W30

Job No: SWO598136



SAMPLE INFORMATION

Sample Number	VCP306416	---	---	---
Sample Date	20 Apr 2021	---	---	---
Machine Hours	5356	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



ACQUA CONTRACTORS

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T: (630)417-7881
F:



OIL CONDITION

Visc @ 40°C	cSt	44.9	---	---	---
Acid Number (AN)	mg KOH/g	0.293	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	0	---	---	---



WEAR METALS

Iron	ppm	7	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	219	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	▲ 150	---	---	---
Phosphorus	ppm	513	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	3	---	---	---

Diagnosis

Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil. Oil and filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.

Depot: ACQELM
Unique No: 9486107
Signed: Jonathan Hester
Report Date: 03 May 2021

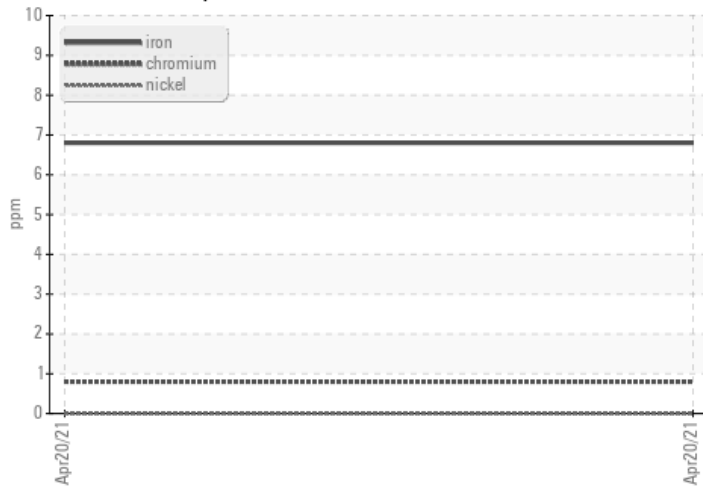


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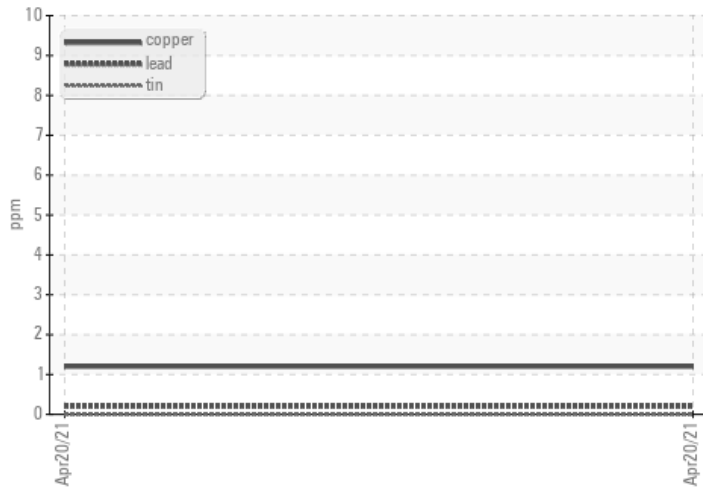


GRAPHS

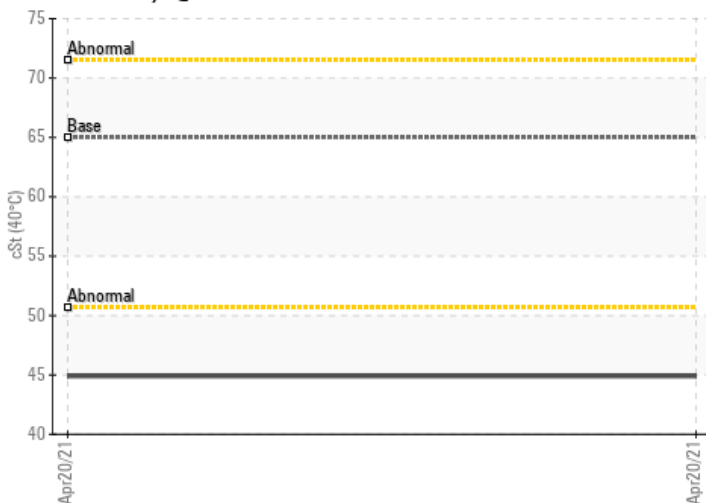
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

