

JOHN DEERE 350G TB55 (S/N E809970) - DIESEL ENGINE

Sample No: JR0138438

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	JR0138438	JR0204893	---	---
Sample Date	18 Mar 2024	07 Mar 2024	---	---
Machine Hours	7870	7825	---	---
Oil Hours	0	350	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

YATES CONSTRUCTION

9220 NC-65
 STOKESDALE, NC
 US 27357
 Contact: Y. YORK
 yyork@yatesconstruction.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	12.8	13.0	---	---
Base Number (BN)	mg KOH/g	10.7	12.6	---	---
Oxidation (PA)	%	75	95	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.4	---	---
Nitration (PA)	%	46	98	---	---
Sulfation (PA)	%	59	68	---	---
Glycol	%	NEG	▲ 0.12	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	▲ 34	---	---
Sodium	ppm	▲ 129	▲ 858	---	---
Potassium	ppm	▲ 44	▲ 355	---	---

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition. All component wear rates are normal. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.

WEAR METALS

Iron	ppm	12	▲ 71	---	---
Copper	ppm	0	3	---	---
Lead	ppm	0	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	0	2	---	---
Molybdenum	ppm	48	87	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

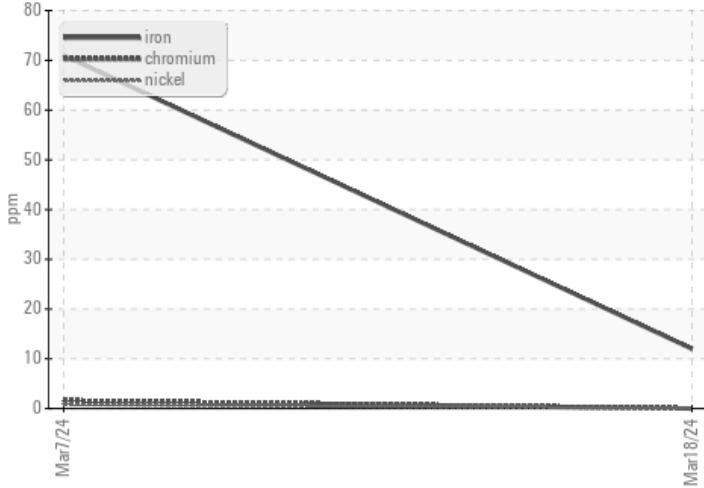
Calcium	ppm	1803	1917	---	---
Magnesium	ppm	503	546	---	---
Zinc	ppm	958	1030	---	---
Phosphorus	ppm	836	962	---	---
Barium	ppm	0	0	---	---
Boron	ppm	58	32	---	---

Depot: YATSTO
Unique No: 10936199
Signed: Jonathan Hester
Report Date: 21 Mar 2024

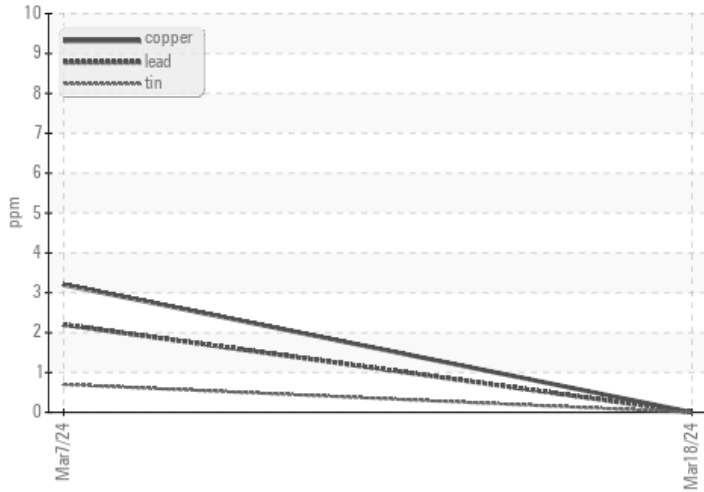
Contact/Location: Y. YORK - YATSTO

GRAPHS

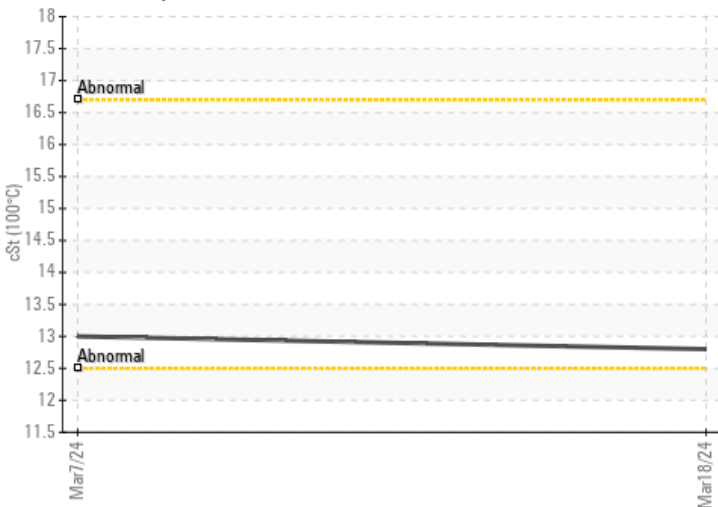
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

