

# FLUID ANALYSIS

## UIN 08E5472

### Tandem Case

**Unit No.** 1DW772GPVKF695391

**Unit:**  
**Make** John Deere  
**Model** 772GP  
**Serial No.** 1DW772GPVKF695391

**Site**

#### Compartment:

**Name** Left Tandem Case  
**Make**  
**Model**  
**Serial No.**  
**Capacity:** Ltrs

**Customer:**

### DIAGNOSIS

Oil type and/or fluid grade not given. No abnormal wear detected. No recommended action at this time. Resample at normal intervals. Time on oil not provided with sample.

**ANALYST:** Pat.Libutti

LEGEND				
				
Normal	Severe	Abnormal	Caution	Normal

<b>DATE SAMPLED</b>	04-Oct-21
<b>DATE RECEIVED</b>	06-Oct-21
<b>DATE REPORTED</b>	07-Oct-21

LAB NO.		40210527726
SIF NO.		39304796
TIME ON UNIT	Hrs	2412
TIME ON OIL	Hrs	
OIL BRAND		Unidentified
OIL TYPE		Unidentified
OIL GRADE		Unknown
OIL ADDED		
FILTER		Not Applicable
OIL CHANGED		Not Changed
WO NUMBER		1629085

#### Metals (ppm)

Iron (Fe)	7
Chromium (Cr)	<1
Lead (Pb)	<1
Copper (Cu)	<1
Tin (Sn)	<1
Aluminium (Al)	3
Nickel (Ni)	<1
Silver (Ag)	<1
Titanium (Ti)	<1
Vanadium (V)	<1

#### Contaminants (ppm)

Silicon (Si)	5
Sodium (Na)	4
Potassium (K)	<1
Water (%)	<0.05
Solids (%)	<0.1

#### Additives (ppm)

Magnesium (Mg)	127
Calcium (Ca)	4087
Barium (Ba)	<1
Phosphorus (P)	1205
Zinc (Zn)	1485
Molybdenum (Mo)	<1
Boron (B)	<5

#### Physical Tests

Viscosity (cSt 40C)	61.9
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#### Physical / Chemical

Acid Number (mgKOH/g)	2.26
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#### Additional

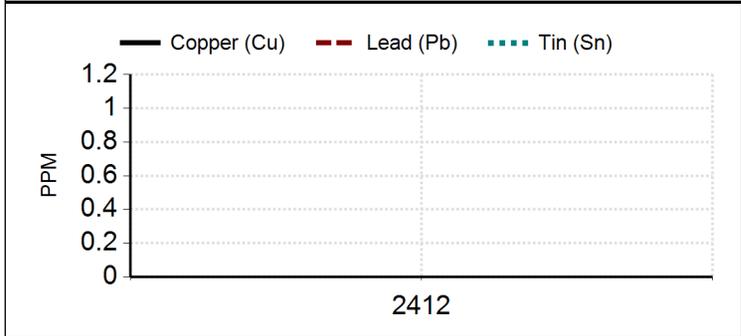
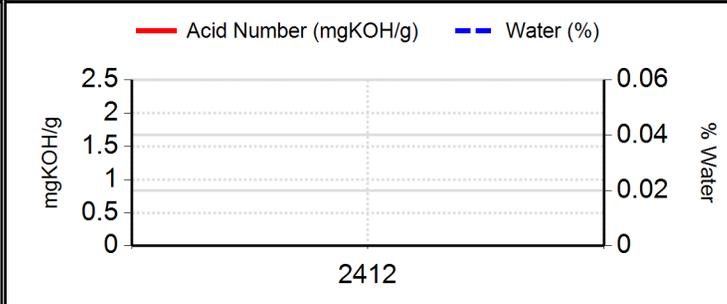
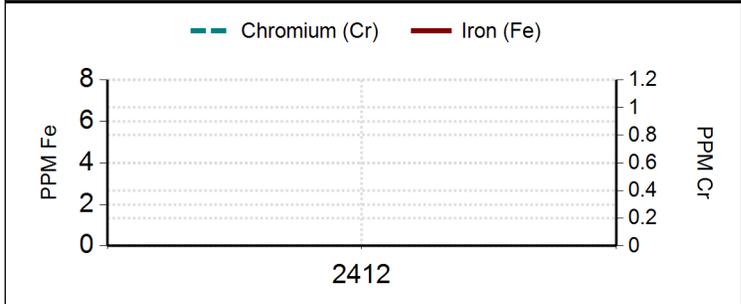
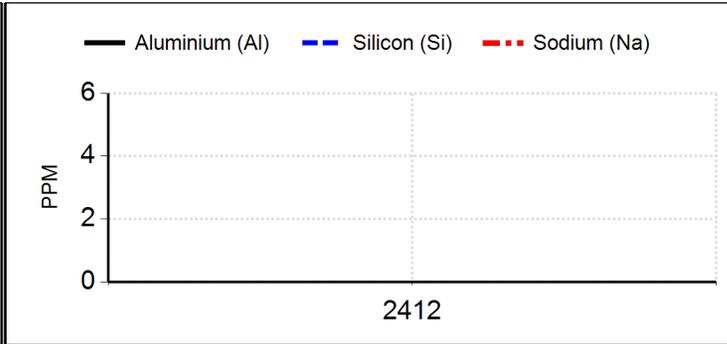
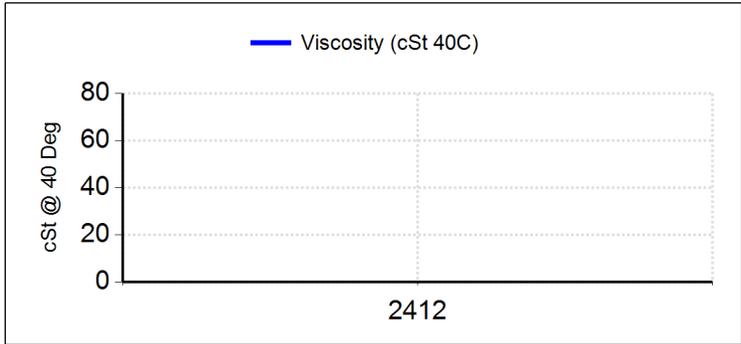
PQ Index	37
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Filter Image

Filter patch test is not performed Contact laboratory for more information

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Kansas City, KS 66115  
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**TEST METHODS:**

Acid Number: ASTM D974/D664 (\*M)  
Base Number: ASTM D4739 (\*M)  
Base Number (Perchloric): ASTM D2896 (\*M)  
Fuel Dilution by GC: ASTM D7593  
Fuel Dilution Visc/Setaflash In House  
Fuel Soot ATR/IR: ASTM D7686 (\*M)  
Soot by FTIR: ASTM D7844  
Glycol: In House  
Metals by ICP AES: ASTM D5185 (\*M)  
Ox, NOx, SOx, FTIR: ASTM E2412/D7418/D7414 D7415  
PQ Index: ASTM D8120 (\*M)  
Particle Count: ASTM D7647 (\*M) / ISO 4406  
Viscosity: ASTM D445 (\*M) / D7279 (\*M)  
Water KF: D6304 / E203 (\*M)  
Water Crackle: In House

\*M - Modified Method

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