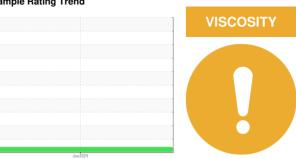


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **JOHN DEERE 160P 1FF160PACPF000369**

Diesel Engine

**JOHN DEERE ENGINE OIL PLUS 50 II 15W** 

### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a new component breaking in.

## Contamination

Fuel content negligible.

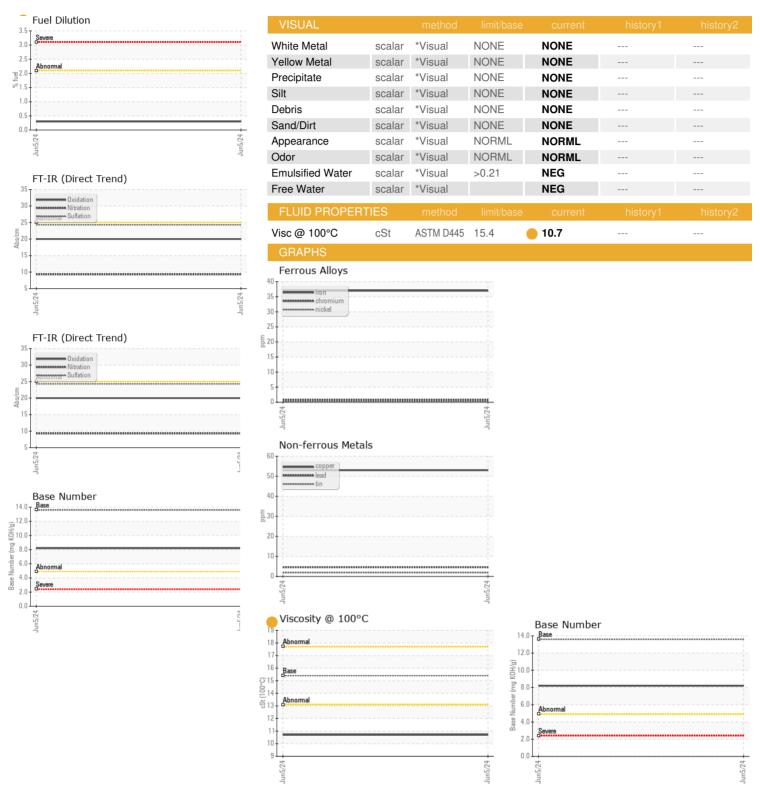
#### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

l0 ( GAL)				Jun 2024		
` ,						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0211593		
Sample Date		Client Info		05 Jun 2024		
Machine Age	hrs	Client Info		490		
Oil Age	hrs	Client Info		490		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Nater		WC Method	>0.21	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>51	37		
Chromium	ppm	ASTM D5185m	>11	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	-	<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m		10		
_ead	ppm	ASTM D5185m	>26	5		
Copper	ppm	ASTM D5185m		53		
Fin		ASTM D5185m	>4	2		
/anadium	ppm	ASTM D5185m	>4	<1		
Cadmium	ppm			0		
	ppm	ASTM D5185m		U		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		207		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		266		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m		815		
Calcium	ppm	ASTM D5185m		1418		
Phosphorus	ppm	ASTM D5185m		940		
Zinc	ppm	ASTM D5185m		1102		
Sulfur	ppm	ASTM D5185m		3112		
CONTAMINANTS	6 _	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	12		
Sodium	ppm	ASTM D5185m	>31	4		
Potassium	ppm	ASTM D5185m	>20	9		
-uel	%	ASTM D3524	>2.1	0.3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	9.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.3		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0		
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.2		
Dade Namber (DIN)	my Norry	NOTIVI DE030	10.0	0.2		



## **OIL ANALYSIS REPORT**







Laboratory Sample No.

: JR0211593 **Lab Number** : 06207565 Unique Number : 11075026

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jun 2024 **Tested** 

: 19 Jun 2024 Diagnosed : 19 Jun 2024 - Jonathan Hester

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA US 23005

Contact: ANGELINA CRISOSTOMI

Angelina.Crisostomi@jamesriverequipment.com

Test Package : CONST ( Additional Tests: FuelDilution, PercentFuel, TBN ) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (804)798-0292

Contact/Location: ANGELINA CRISOSTOMI - JAMASH

T: