



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE JOHN DEERE 7800

Component
Front Diesel Engine

Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (9 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02147792	---	---
Sample Date		Client Info		07 Dec 2007	---	---
Machine Age	hrs	Client Info		1200	---	---
Oil Age	hrs	Client Info		150	---	---
Filter Age	hrs	Client Info		150	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		47	---	---
Chromium	ppm	ASTM D5185m		1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		8	---	---
Lead	ppm	ASTM D5185m		3	---	---
Copper	ppm	ASTM D5185m		<1	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

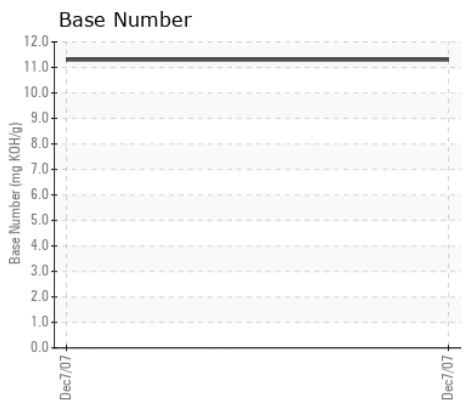
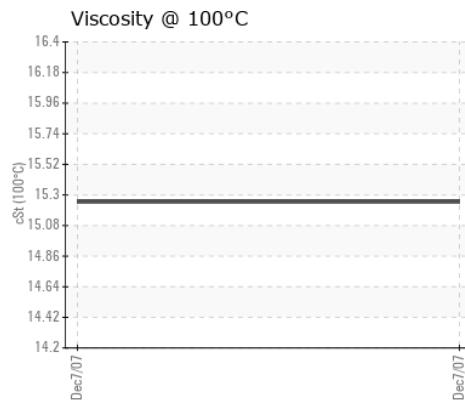
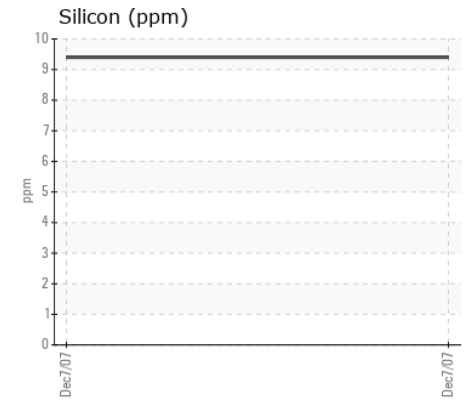
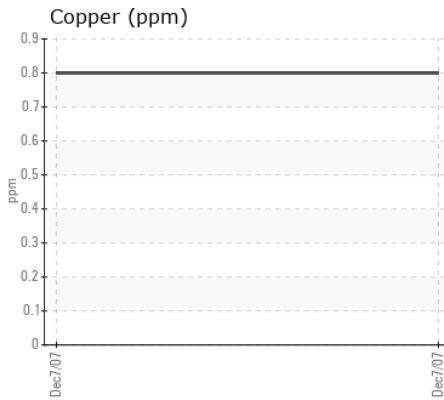
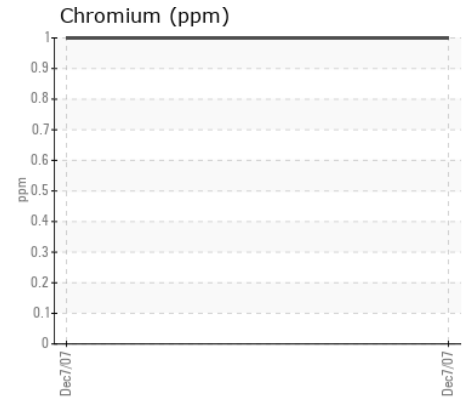
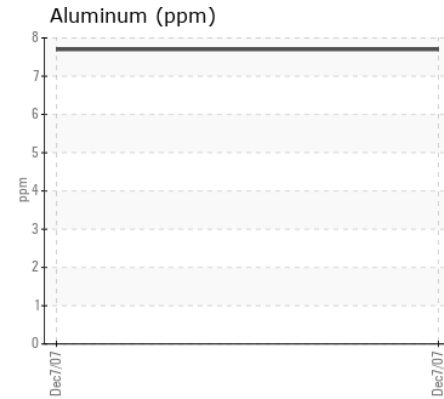
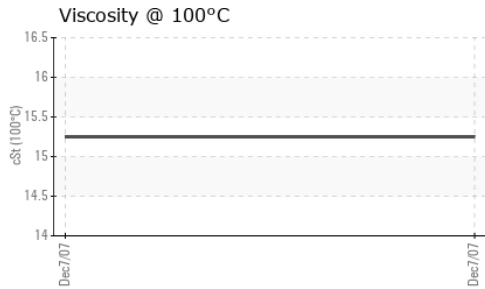
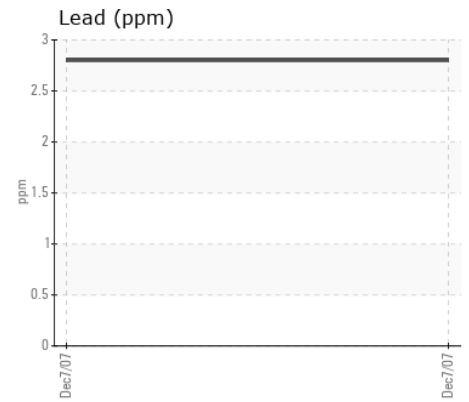
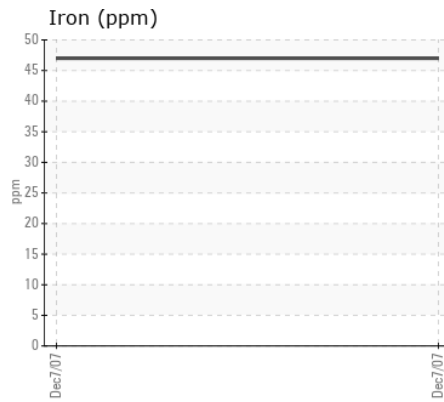
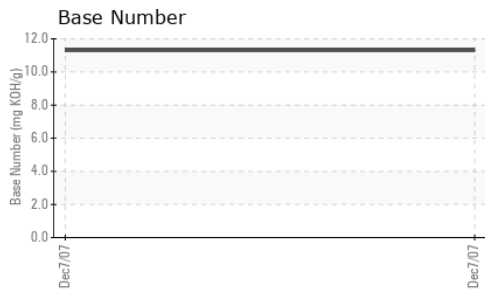
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m		9	---	---
Potassium	ppm	ASTM D5185m		5	---	---
Fuel		WC Method		<1.0	---	---
Water		WC Method		NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		0.7	---	---
Nitration	Abs/cm	*ASTM D7624		10.	---	---
Sulfation	Abs/.1mm	*ASTM D7415		24.	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		NEG	---	---

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	---	---
Boron	ppm	ASTM D5185m		68	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		91	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		9	---	---
Calcium	ppm	ASTM D5185m		3080	---	---
Phosphorus	ppm	ASTM D5185m		1256	---	---
Zinc	ppm	ASTM D5185m		1300	---	---
Sulfur	ppm	ASTM D5185m		4114	---	---
Oxidation	Abs/.1mm	*ASTM D7414		17.	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.3	---	---
Visc @ 100°C	cSt	ASTM D445		15.25	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR02147792
Lab Number : 02147792
Unique Number : 4411622
Test Package : MOB 2
Received : 09 Apr 2008
Tested : 10 Apr 2008
Diagnosed : 11 Apr 2008 - Doug Bogart

S & S CHOPPING
 6745 68TH ST SW
 ELGIN, ND
 US 58533
 Contact: KELLY ZIETTLLOW

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

T:
F: