



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**JOHN DEERE 750J 45 (S/N JX133995)**  
 Component  
**Transmission**  
 Fluid  
**PETRO CANADA DURON SAE 10W30 (105 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC882484</b>	WC867254	WC826015
Sample Date		Client Info		<b>28 May 2013</b>	30 Mar 2012	12 Oct 2010
Machine Age	hrs	Client Info		<b>6022</b>	5040	4046
Oil Age	hrs	Client Info		<b>1976</b>	994	2009
Filter Age	hrs	Client Info		<b>1976</b>	994	2009
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)		<b>8</b>	14	7
Chromium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185(m)		<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	3
Copper	ppm	ASTM D5185(m)		<b>5</b>	3	10
Tin	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

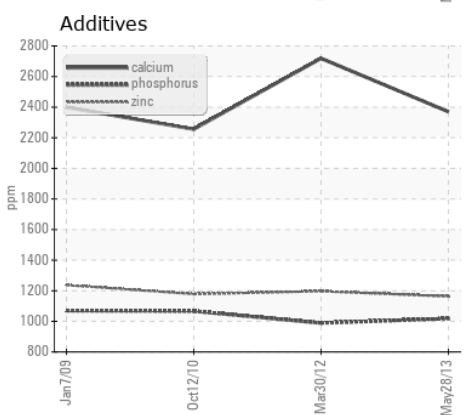
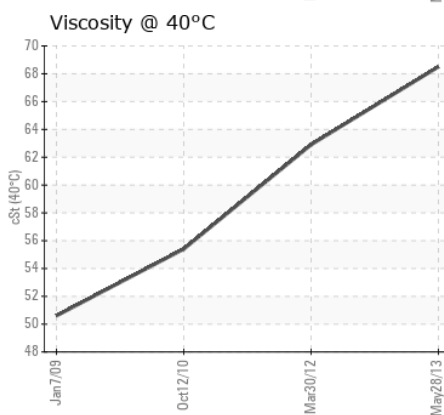
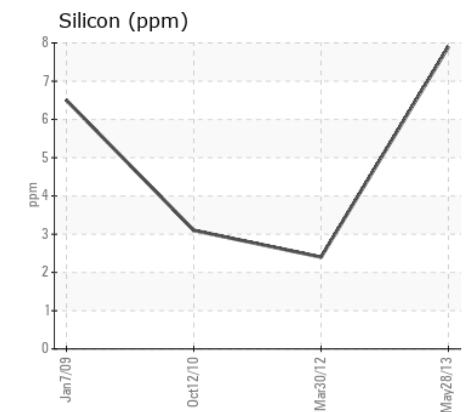
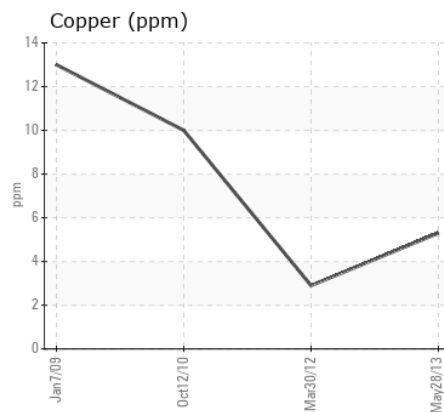
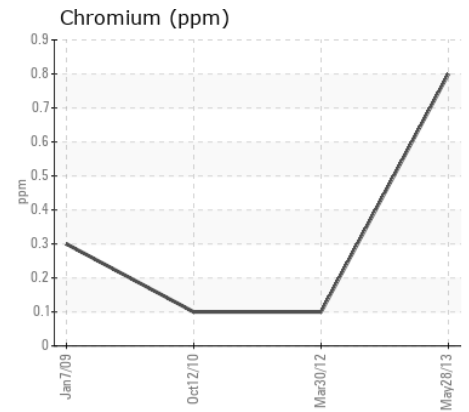
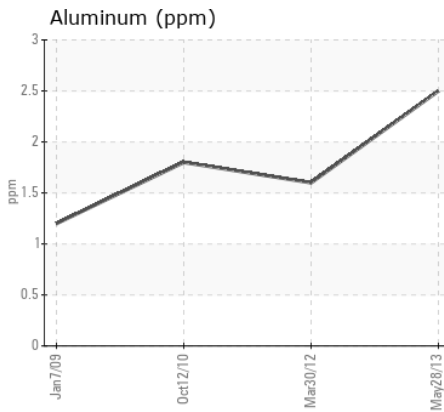
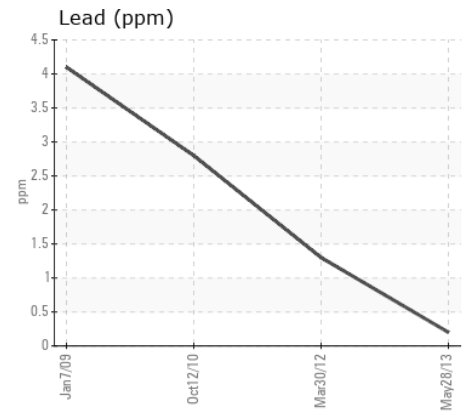
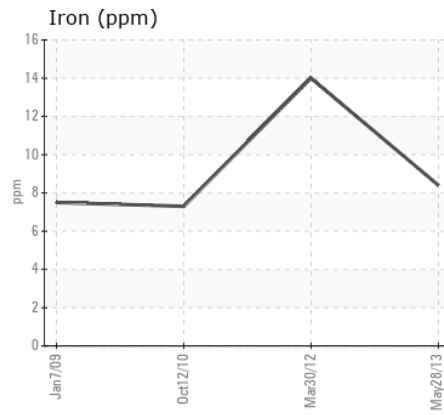
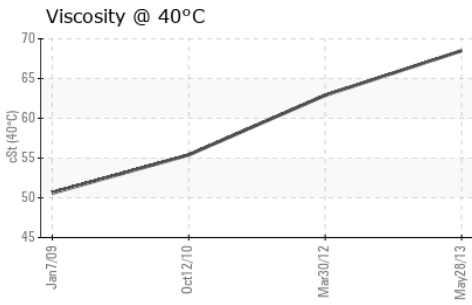
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185(m)		<b>8</b>	2	3
Potassium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Water		WC Method		<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	4
Boron	ppm	ASTM D5185(m)		<b>4</b>	5	10
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>1</b>	3	2
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>13</b>	21	65
Calcium	ppm	ASTM D5185(m)		<b>2370</b>	2719	2256
Phosphorus	ppm	ASTM D5185(m)		<b>1018</b>	989	1067
Zinc	ppm	ASTM D5185(m)		<b>1163</b>	1197	1178
Sulfur	ppm	ASTM D5185(m)		<b>4033</b>	4129	3397
Visc @ 40°C	cSt	ASTM D7279(m)		<b>68.5</b>	62.9	55.4
Fluid Type		In-house*		<b>SAE_ENG_DE</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC882484 **Received** : 30 May 2013  
**Lab Number** : 01840931 **Tested** : 30 May 2013  
**Unique Number** : 3726154 **Diagnosed** : 30 May 2013 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: FluidDetermination )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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