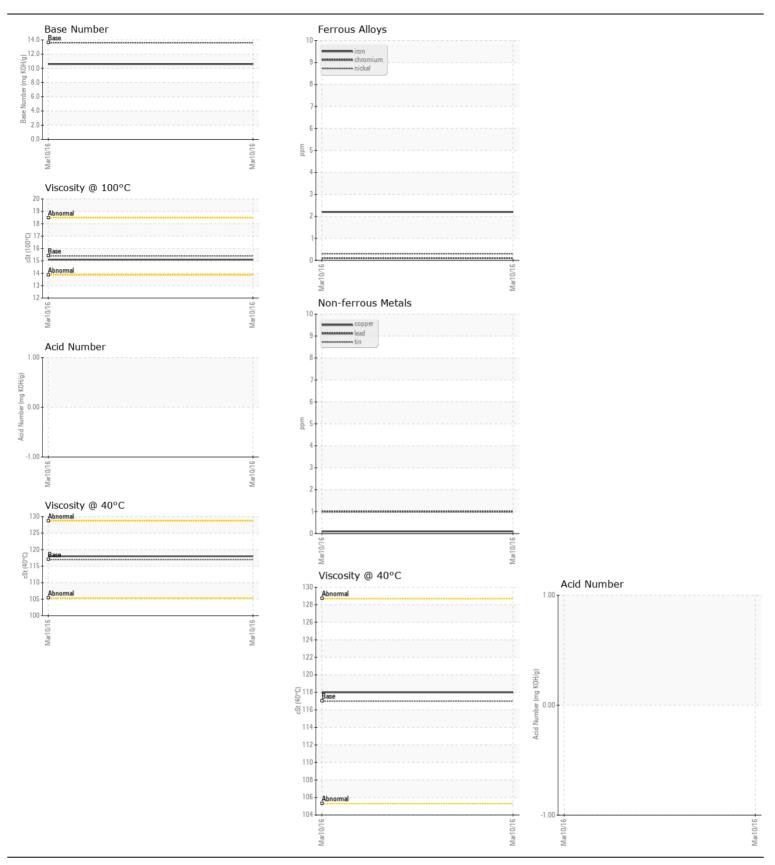


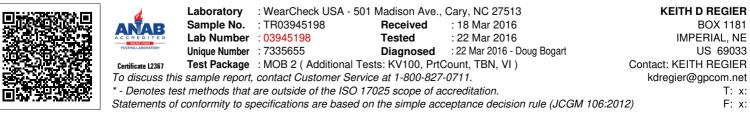
Machine Id **JOHN DEERE PLUS II 15W40 3/10/16**

Component New (Unused) Oil

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

JOHN DEERE ENGINE OIL PLUS 50 II 150							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
This is a baseline read-out on the submitted sample.	Sample Number		Client Info		TR03945198		
	Sample Date		Client Info		10 Mar 2016		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed Sample Status		Client Info		N/A NORMAL		
	Gample Glaus						
WEAR	Iron	ppm	ASTM D5185m		2		
	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		1		
	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	Silicon	ppm	ASTM D5185m		9		
	Potassium	ppm	ASTM D5185m	>20	0		
	Water	ppm	WC Method	200	NEG		
	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	Sodium	ppm	ASTM D5185m		2		
	Boron	ppm	ASTM D5185m		296		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		284		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		939		
	Calcium	ppm	ASTM D5185m		1510		
	Phosphorus	ppm	ASTM D5185m		976		
	Zinc	ppm	ASTM D5185m		1092		
	Sulfur	ppm	ASTM D5185m	10.0	3035		
	Base Number (BN)	mg KOH/g			10.6		
	Visc @ 40°C	cSt	ASTM D445		118.0		
	Visc @ 100°C	cSt	ASTM D445		15.1		
	Viscosity Index (VI)	Scale	ASTM D2270	139	132		





Contact/Location: KEITH REGIER - KEIIMP