

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

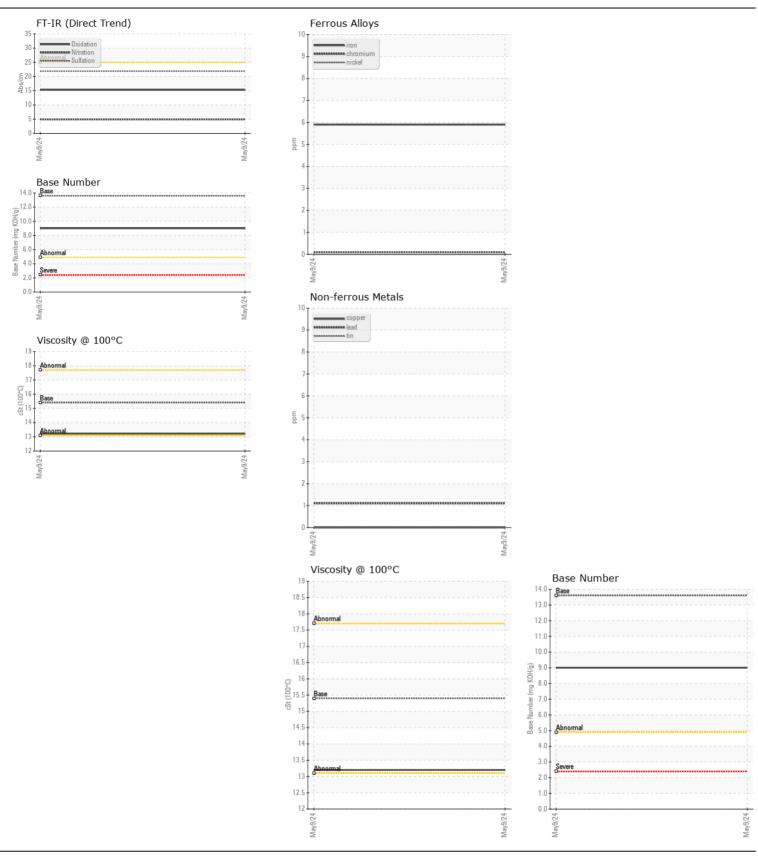
IG15076] Machine Id JOHN DEERE 297532 Component Diesel Engine Fluid JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

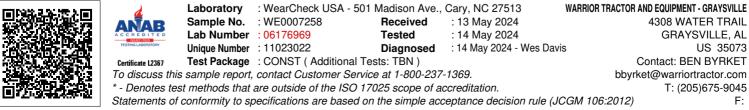
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WE0007258		
	Sample Date		Client Info		09 May 2024		
	Machine Age	hrs	Client Info		1061		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>51	6		
	Chromium	ppm	ASTM D5185m	>11	<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		3		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		0		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	~ 1	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
		Jouran	Vibuui				
CONTAMINATION	Silicon	ppm	ASTM D5185m		10		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		<1		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844		0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	4.9		
	Sulfation	Abs/.1mm	*ASTM D7415		21.9		
	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	>0.21	NEG		
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m	>31	<1		
	Boron	ppm	ASTM D5185m		354		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		128		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		667		
	Calcium	ppm	ASTM D5185m		1593		
	Phosphorus	ppm	ASTM D5185m		788		
	Zinc	ppm	ASTM D5185m		922		
	Sulfur	ppm	ASTM D5185m		3055		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3		
	Base Number (BN)		ASTM D2896		9.0		
		oC+		15.4	10.0		

13.2

ASTM D445 15.4

Visc @ 100°C cSt





Contact/Location: BEN BYRKET - WARGRAAL Page 2 of 2