

## Machine Id JOHN DEERE 9560R JOHNDEERE9560R Component Front Diesel Engine Fluid TRC PRO-SPEC IV XP SYN BLEND 15W40 (60 LTR)

## RECOMMENDATION

We advise that you monitor for an abnormal oil pressure drop and noise. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Lead ppm levels are severe. Tin and iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated. Bearing wear is indicated. Slide bearing wear is indicated.

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## CONTAMINATION

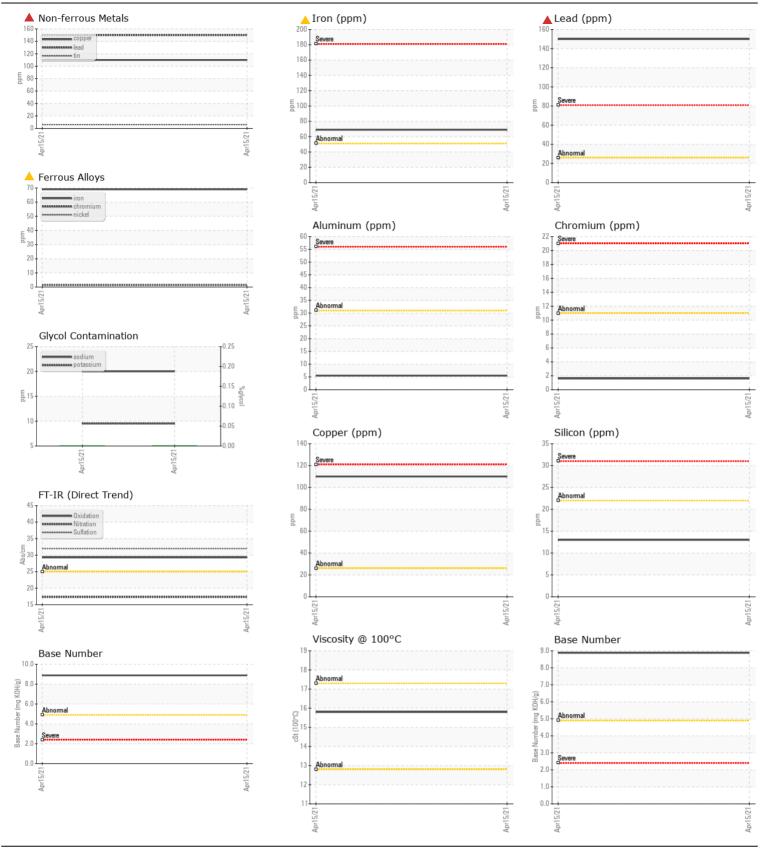
There is no indication of any contamination in the oil.

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02416219		
Sample Date		Client Info		15 Apr 2021		
Machine Age	hrs	Client Info		3609		
Oil Age	hrs	Client Info		995		
Filter Age	hrs	Client Info		995		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				SEVERE		
PQ		ASTM D8184*	>50	•		
				0		
Iron	ppm	ASTM D5185(m)	>51	▲ 69 0		
Chromium	ppm	ASTM D5185(m)	>11	2		
Nickel	ppm	ASTM D5185(m)	>5			
Titanium	ppm	ASTM D5185(m)		<1		
Silver	ppm	ASTM D5185(m)	. 01	0		
	ppm	ASTM D5185(m) ASTM D5185(m)	>31 >26	6		
Lead	ppm	( /		<b>150</b>		
Copper	ppm	ASTM D5185(m)	>26	110		
Tin	ppm	ASTM D5185(m)	>4	<mark>▲</mark> 6		
Vanadium	ppm	ASTM D5185(m)		0		
Silicon	ppm	ASTM D5185(m)	>22	13		
Potassium	ppm	ASTM D5185(m)	>20	10		
Fuel		WC Method	>2.1	<1.0		
Water		WC Method	>0.21	NEG		
Glycol	%	ASTM D7922*		0.0		
Soot %	%	ASTM D7844*	>3	0.8		
Nitration	Abs/cm	ASTM D7624*	>20	17.3		
Sulfation	Abs/.1mm	ASTM D7415*	>30	32.0		
Emulsified Water	scalar	Visual*	>0.21	NEG		
O e ell'euro			04			
Sodium	ppm	ASTM D5185(m)	>31	20		
Boron	ppm	ASTM D5185(m)		2		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		30		
Manganese	ppm	ASTM D5185(m)		1		
Magnesium	ppm	ASTM D5185(m)		641		
Calcium	ppm	ASTM D5185(m)		2758		
Phosphorus	ppm	ASTM D5185(m)		1074		
Zinc	ppm	ASTM D5185(m)		1377		
Sulfur	ppm	ASTM D5185(m)	. OE	3131		
Oxidation	Abs/.1mm	ASTM D2906*	>25	29.3		
Base Number (BN)	mg KOH/g	ASTM D2896*		8.88		
Visc @ 100°C	cSt	ASTM D7279(m)	Com	15.8		

Contact/Location: Aaron Wipf - WIPROS



**ROSETOWN FARMING** Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. BOX 1509 : TR02416219 Received : 21 Apr 2021 Lab Number : 02416219 ROSETOWN, SK Tested : 21 Apr 2021 ISO 17025:2017 Accredited Unique Number : 5211704 : 21 Apr 2021 - Kevin Marson CA SOL 2V0 Diagnosed Laboratory Test Package : MOB 2 (Additional Tests: Glycol, PQ) Contact: Aaron Wipf 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. T: (306)882-1992 F: (306)882-3032 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: Aaron Wipf - WIPROS Page 2 of 2