

OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL

JOHN DEERE E-CAB OT-12 (S/N 21307)

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

Fluid Condition

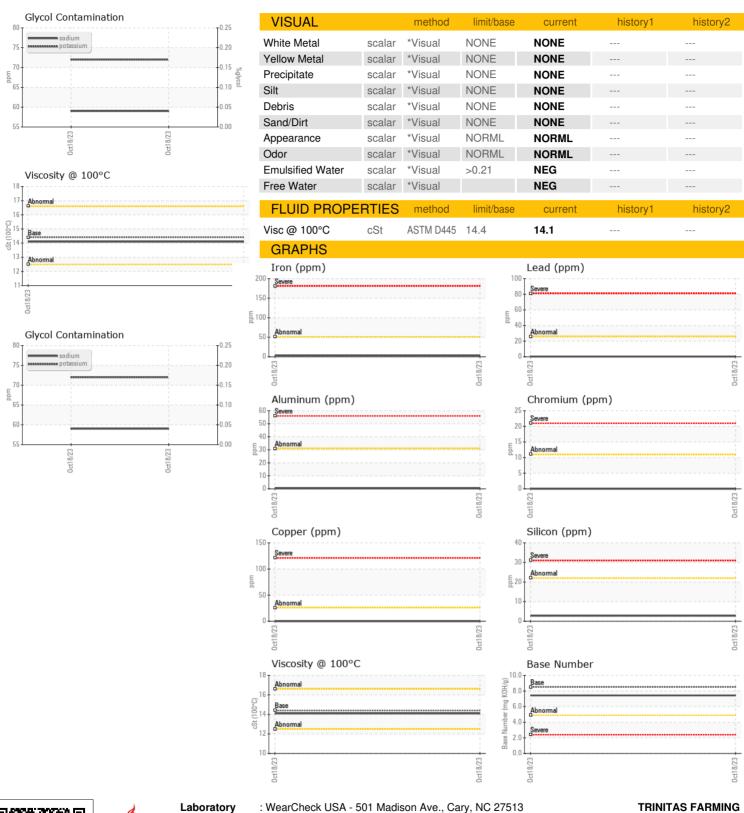
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION			Ī				
Sample Number Client Info PCA0107033 Sample Date Client Info 18 Oct 2023 Machine Age hrs Client Info 13282 Oil Age hrs Client Info 229 Oil Changed Client Info Changed Sample Status RBNORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method 2-1 <1.0 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >51 4 Chromium ppm ASTM D5185m >5 0 Iron ppm ASTM D5185m >3 0 Iron ppm ASTM D5185m >3 0 Iron ppm AST					Oct2023		
Sample Number Client Info PCA0107033 Sample Date Client Info 18 Oct 2023 Machine Age hrs Client Info 13282 Oil Age hrs Client Info 229 Oil Changed Client Info Changed Sample Status RBNORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method 2-1 <1.0 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >51 4 Chromium ppm ASTM D5185m >5 0 Iron ppm ASTM D5185m >3 0 Iron ppm ASTM D5185m >3 0 Iron ppm AST	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
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Oil Changed Sample Status Client Info Changed ABNORMAL ABNORMAL							
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CONTAMINATION method limit/base current history1 history2 Fuel WC Method >2.1 <1.0	-		Ciletit IIIIO				
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Iron	Fuel		WC Method	>2.1	<1.0		
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Nickel	Iron	ppm	ASTM D5185m	>51	4		
Titanium	Chromium	ppm	ASTM D5185m	>11	0		
Silver	Nickel	ppm	ASTM D5185m	>5	0		
Silver	Titanium		ASTM D5185m		0		
Lead ppm ASTM D5185m >26 <1 Copper ppm ASTM D5185m >26 0 Tin ppm ASTM D5185m >4 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 10 0 Barium ppm ASTM D5185m 10 0 Molybdenum ppm ASTM D5185m 10 0 Manganese ppm ASTM D5185m 10 0 Magnesium ppm ASTM D5185m 3000 1131 Calcium ppm ASTM D5185m 1350 1265	Silver	ppm	ASTM D5185m	>3	0		
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Tin ppm ASTM D5185m >4 0	Lead		ASTM D5185m	>26	<1		
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Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 250 3 Barium ppm ASTM D5185m 10 0 Molybdenum ppm ASTM D5185m 100 59 Manganese ppm ASTM D5185m 100 59 Magnesium ppm ASTM D5185m 450 916 Calcium ppm ASTM D5185m 3000 1131 Phosphorus ppm ASTM D5185m 1150 953 Zinc ppm ASTM D5185m 1265 Sulfur ppm ASTM D5185m 4250 3029 CONTAMINANTS method limit/base current h	Tin	ppm	ASTM D5185m	>4	0		
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Soot %	Sodium		ASTM D5185m	>158	<u>^</u> 59		
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.2 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.2	Potassium	ppm	ASTM D5185m	>20	^ 72		
Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.2 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.2	Glycol	%	*ASTM D2982		NEG		
Nitration Abs/cm *ASTM D7624 >20 6.2 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.2	INFRA-RED		method	limit/base	current	history1	history2
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Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.2	Nitration	Abs/cm	*ASTM D7624	>20	6.2		
Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9		
	FLUID DEGRA	OATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2		
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.43		

Contact/Location: SPENCER COOPER - TRIFIR



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number **Unique Number**

: PCA0107033 : 05996867 : 10725227

Received Diagnosed

: Jonathan Hester Diagnostician

: 02 Nov 2023

: 07 Nov 2023

Test Package : MOB 2 (Additional Tests: Glycol)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

TRINITAS FARMING

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