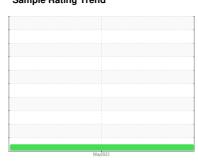


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2227005**

Component

Transmission

NOT GIVEN (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

Sample Number							
Sample Number					May2023		
Sample Date	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 25 May 2023	Sample Number		Client Info		PCA0099151		
Machine Age mls Client Info 19813 Oil Oanged mls Client Info 0 Sample Status Image: Client Info Not Changd WEAR METALS method Imitibase current history1 history2 Iron ppm ASTM D5185m >200 63 Chromium ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m >10 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 50 3 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >200 54							
Oil Age mls Client Info Not Changd Sample Status Morman Normal WEAR METALS method limit/base current history2 Iron ppm ASTM D5185m >200 63 Chromium ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 50 3 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >20 54 Tin ppm ASTM D5185m 0 Cadaium	•	mls			-		
Oil Changed Sample Status Client Info Nort Changd NORMAL Color Color NORMAL Color Color Normal Color Color Normal Color Color Color Normal Color Color Color Color Color Normal Color C	•	mls	Client Info		0		
NORMAL Sample Status Samp	-		Client Info		Not Changd		
Iron	-						
Chromium ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m <1 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >50 0 Aluminum ppm ASTM D5185m >50 0 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >200 54 Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Maloybdenum ppm	WEAR METAL	.S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>200	63		
Nickel	Chromium		ASTM D5185m	>10	1		
Titanium	Nickel		ASTM D5185m		<1		
Aluminum ppm ASTM D5185m >50 3 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >200 54 Tin ppm ASTM D5185m >10 <1	Titanium		ASTM D5185m		0		
Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >200 54 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 2 Magnesium ppm ASTM D5185m 882 Phosphorus ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 8	Silver	ppm	ASTM D5185m		0		
Copper ppm ASTM D5185m >200 54 Tin ppm ASTM D5185m >10 <1	Aluminum	ppm	ASTM D5185m	>50	3		
Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 33 Magnesium ppm ASTM D5185m 2 Calcium ppm ASTM D5185m 882 Phosphorus ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current histo	Lead	ppm	ASTM D5185m	>50	0		
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Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 33 Magnesium ppm ASTM D5185m 2 Calcium ppm ASTM D5185m 882 Phosphorus ppm ASTM D5185m 675 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m >20 <1 VISUAL method limit/base current <th>Cadmium</th> <th></th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th></th> <th></th>	Cadmium		ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 33 Magnesium ppm ASTM D5185m 2 Calcium ppm ASTM D5185m 882 Phosphorus ppm ASTM D5185m 675 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m >20 <1	Boron	ppm	ASTM D5185m		0		
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 33 Magnesium ppm ASTM D5185m 2 Calcium ppm ASTM D5185m 882 Phosphorus ppm ASTM D5185m 675 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m >20 <1	Barium		ASTM D5185m				
Manganese ppm ASTM D5185m 33 Magnesium ppm ASTM D5185m 2 Calcium ppm ASTM D5185m 882 Phosphorus ppm ASTM D5185m 675 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 Sulfoon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m 3 Sodium ppm ASTM D5185m >20 <1					-		
Magnesium ppm ASTM D5185m 2 Calcium ppm ASTM D5185m 882 Phosphorus ppm ASTM D5185m 675 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m >20 <1	•				-		
Calcium ppm ASTM D5185m 882 Phosphorus ppm ASTM D5185m 675 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m >20 <1	•				2		
Phosphorus ppm ASTM D5185m 675 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 <1	-		ASTM D5185m		882		
Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 <1	Phosphorus		ASTM D5185m		675		
Sulfur ppm ASTM D5185m 5466 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 <1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE			ASTM D5185m		8		
Silicon ppm ASTM D5185m >50 51 Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 <1	Sulfur		ASTM D5185m		5466		
Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 <1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 <1	Silicon	ppm	ASTM D5185m	>50	51		
Potassium ppm ASTM D5185m >20 <1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE					3		
White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE	Potassium	ppm	ASTM D5185m	>20	<1		
Yellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONELIGHTDebrisscalar*VisualNONENONE	VISUAL		method	limit/base	current	history1	history2
Yellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONELIGHTDebrisscalar*VisualNONENONE	White Metal	scalar	*Visual	NONE	NONE		
Precipitatescalar*VisualNONESiltscalar*VisualNONELIGHTDebrisscalar*VisualNONENONE			*Visual	NONE			
Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE	Precipitate			NONE			
	Silt	scalar	*Visual	NONE	LIGHT		
	Debris		*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE	Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML	Appearance	scalar	*Visual	NORML	NORML		
Odor scalar *Visual NORML NORML	• •	scalar		NORML	NORML		
Emulsified Water scalar *Visual >0.1 NEG	Emulsified Water				NEG		
Free Water scalar *Visual NEG	Free Water	scalar	*Visual		NEG		
FLUID PROPERTIES method limit/base current history1 history2	FLUID PROPE	RTIES	method	limit/base	current	history1	history2

Visc @ 40°C

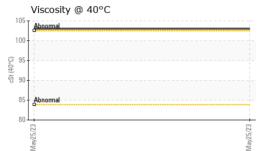
cSt

ASTM D445

Contact/Location: GEORGE LACATES - PERBRIDE

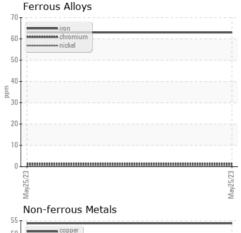


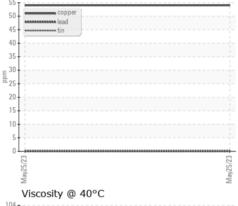
OIL ANALYSIS REPORT

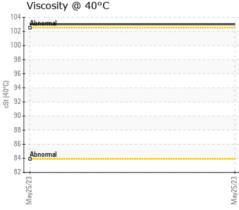




GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10616488 Test Package : FLEET

: PCA0099151 : 05931217

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 22 Aug 2023 : 23 Aug 2023 Diagnostician : Don Baldridge PERDUE FARMS - BRIDGEVILLE

8634 E NEWTON RD BRIDGEVILLE, DE US 19933

Contact: GEORGE LACATES

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

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

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

T:

F: