

OIL ANALYSIS REPORT



Component

1 Differential

GEAR OIL SAE 80 (--- GAL)

Sample Rating Trend DIRT Direction of the second of the

DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

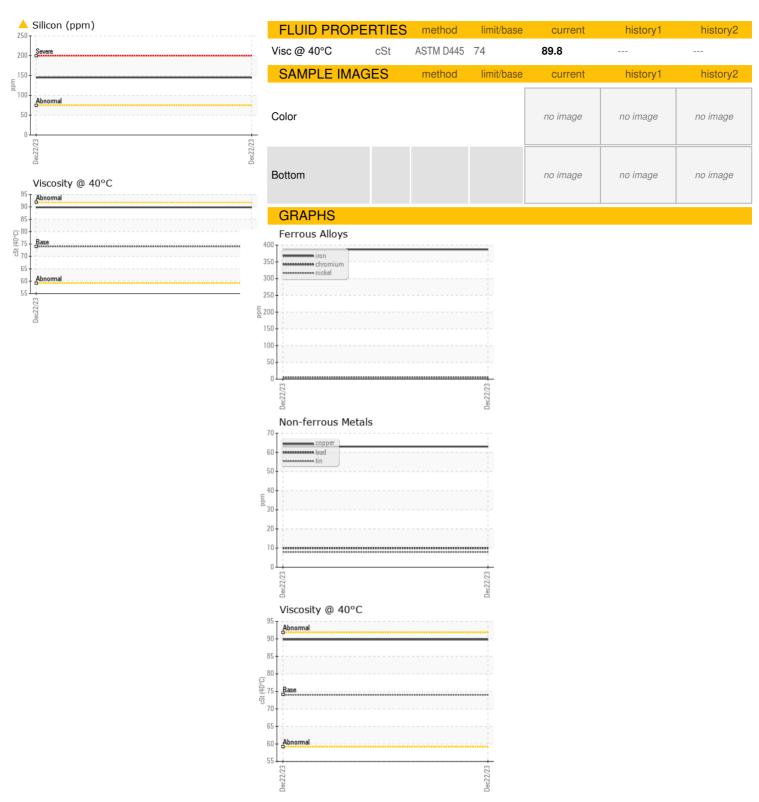
Fluid Condition

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

Sample Date Client Info 22 Dec 2023					Dec2023		
Client Info Q2 Dec 2023	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0	Sample Number		Client Info		PCA0112289		
Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status Nethod Nethod CONTAMINATION method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 387 Chromium ppm ASTM D5185m >10 5 Nickel ppm ASTM D5185m >10 4 Silver ppm ASTM D5185m >25 3 Silver ppm ASTM D5185m >25 10 Silver ppm ASTM D5185m >25 1 Silver ppm ASTM D5185m >10 63	Sample Date		Client Info		22 Dec 2023		
Cilient Info	Machine Age	hrs	Client Info		0		
ABNORMAL	Oil Age	hrs	Client Info		0		
CONTAMINATION method limit/base current history1 history2 Water WC Method >.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 387 Chromium ppm ASTM D5185m >10 5 Nickel ppm ASTM D5185m >10 4 Silver ppm ASTM D5185m >10 4 Aluminum ppm ASTM D5185m >25 3 Aluminum ppm ASTM D5185m >25 3 Aluminum ppm ASTM D5185m >10 63 Copper ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m 0 <td>Oil Changed</td> <td></td> <td>Client Info</td> <td></td> <td>N/A</td> <td></td> <td></td>	Oil Changed		Client Info		N/A		
Water WC Method >.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 387 Chromium ppm ASTM D5185m >10 4 Nickel ppm ASTM D5185m >10 4 Silver ppm ASTM D5185m >10 4 Aluminum ppm ASTM D5185m >25 3 Aluminum ppm ASTM D5185m >25 10 Aluminum ppm ASTM D5185m >10 63 Lead ppm ASTM D5185m >10 8 Copper ppm ASTM D5185m >10 8 Vanadium ppm ASTM D5185m 20 6	Sample Status				ABNORMAL		
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Iron	Water		WC Method	>.2	NEG		
Chromium Dpm ASTM D5185m >10 5	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>500	387		
Titanium ppm ASTM 05185m	Chromium	ppm	ASTM D5185m	>10	5		
Silver	Nickel	ppm	ASTM D5185m	>10	4		
Aluminum	Titanium	ppm	ASTM D5185m		<1		
Ast	Silver	ppm	ASTM D5185m		0		
Copper ppm ASTM D5185m >100 63 Tin ppm ASTM D5185m >10 8 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 400 105 Barium ppm ASTM D5185m 200 6 Molybdenum ppm ASTM D5185m 12 1 Manganese ppm ASTM D5185m 12 3 Manganesium ppm ASTM D5185m 150 106 Magnesium ppm ASTM D5185m 150 106 Phosphorus ppm ASTM D5185m 125 26	Aluminum	ppm	ASTM D5185m	>25	3		
Tin ppm ASTM D5185m >10 8	Lead	ppm	ASTM D5185m	>25	10		
Trin	Copper		ASTM D5185m	>100	63		
Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 400 105 Barium ppm ASTM D5185m 200 6 Molybdenum ppm ASTM D5185m 12 <1	Tin		ASTM D5185m	>10	8		
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Molybdenum ppm ASTM D5185m 12 <1 Manganese ppm ASTM D5185m 14 Magnesium ppm ASTM D5185m 150 106 Calcium ppm ASTM D5185m 150 106 Phosphorus ppm ASTM D5185m 125 26 Zinc ppm ASTM D5185m 125 26 Sulfur ppm ASTM D5185m 22500 23231 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 ▲ 145 Sodium ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20 2 VISUAL method limit/base curre	Boron	ppm	ASTM D5185m	400	105		
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Magnesium ppm ASTM D5185m 12 3 Calcium ppm ASTM D5185m 150 106 Phosphorus ppm ASTM D5185m 1650 1094 Zinc ppm ASTM D5185m 125 26 Sulfur ppm ASTM D5185m 22500 23231 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 ▲ 145 Sodium ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20 2 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual </td <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td>12</td> <td><1</td> <td></td> <td></td>	Molybdenum	ppm	ASTM D5185m	12	<1		
Calcium ppm ASTM D5185m 150 106 Phosphorus ppm ASTM D5185m 1650 1094 Zinc ppm ASTM D5185m 125 26 Sulfur ppm ASTM D5185m 22500 23231 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 145 Sodium ppm ASTM D5185m 8 Potassium ppm ASTM D5185m 8 Potassium ppm ASTM D5185m 8 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE NONE </td <td>Manganese</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>14</td> <td></td> <td></td>	Manganese	ppm	ASTM D5185m		14		
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Sulfur ppm ASTM D5185m 22500 23231 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 ▲ 145 Sodium ppm ASTM D5185m 8 Potassium ppm ASTM D5185m >20 2 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 Sand/Dirt scalar *Visual <td< td=""><td>Phosphorus</td><td>ppm</td><td>ASTM D5185m</td><td>1650</td><td>1094</td><td></td><td></td></td<>	Phosphorus	ppm	ASTM D5185m	1650	1094		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 ▲ 145 Sodium ppm ASTM D5185m 8 Potassium ppm ASTM D5185m >20 2 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 Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML	Zinc	ppm	ASTM D5185m	125	26		
Silicon ppm ASTM D5185m >75 ▲ 145 Sodium ppm ASTM D5185m 8 Potassium ppm ASTM D5185m >20 2 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 Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Godor scalar *Visual	Sulfur	ppm	ASTM D5185m	22500	23231		
Sodium ppm ASTM D5185m 8 Potassium ppm ASTM D5185m >20 2 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual >.2 NEG	CONTAMINAN	TS	method	limit/base	current	history1	history2
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 Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Codor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG	Silicon	ppm	ASTM D5185m	>75	<u> </u>		
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 Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Codor scalar *Visual >.2 NEG	Sodium	ppm	ASTM D5185m		8		
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 Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Codor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG	Potassium	ppm	ASTM D5185m	>20	2		
Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORM NORML Appearance scalar *Visual NORML NORML Codor scalar *Visual >.2 NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE LIGHT 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 >.2 NEG	White Metal	scalar	*Visual	NONE			
Silt scalar *Visual NONE LIGHT 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 >.2 NEG	Yellow Metal	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 >.2 NEG	Precipitate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG	Silt	scalar	*Visual	NONE	LIGHT		
Appearance scalar *Visual NORML NORML CODING Scalar *Visual NORML NORML CODING Scalar *Visual >.2 NEG	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >.2 NEG	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
Free Water scalar *Visual NEG	Emulsified Water	scalar	*Visual	>.2	NEG		
	Free Water	scalar	*Visual		NEG		



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: PCA0112289 : 06058417 Unique Number : 10829799

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 11 Jan 2024 Diagnosed : 14 Jan 2024 Diagnostician : Don Baldridge

Test Package : FLEET 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)

PERDUE FARMS - DILLON

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