

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend



# Machine Id 1926735

Component Rear Differential GEAR OIL SAE 75W90 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

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.



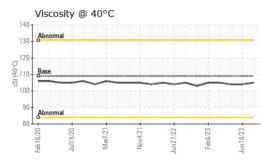


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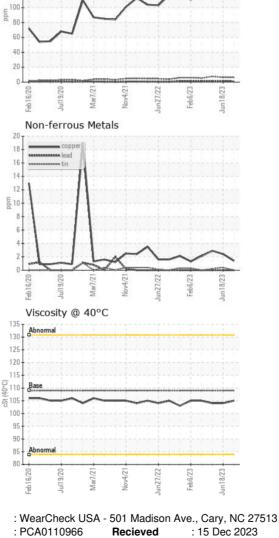
Sample Number     Client Info     PCA0110966     PCA0100351     PCA0097031       Sample Date     Client Info     0     364664     237400       Machine Age     mis     Client Info     0     364664     247460       Oil Age     mis     Client Info     0     364664     247460       Oil Changed     Client Info     Not Changd     Not Changd     Not Changd       Sample Status     Not Method     >.2     NEG     NEG     NORMAL       CONTAMINATION     method     imit/base     current     history1     history2       Water     WC Method     >.2     NEG     NEG     NEG       Vetar     WC Method     >.2     NEG     NEG     NORMAL       Nord     method     imit/base     current     history1     history2       Vetar     WC Method     >.2     NEG     0     0     0       Sitor     ppm     ASTM D51555<>10     0     0     0     0       Sitor     ppm     ASTM D51555	SAMPLE INFOR	MATION	method	limit/base		history1	history2
Sample Date     Client Info     08 Nov 2023     18 Jun 2023     23 Apr 2023       Machine Age     mis     Client Info     0     364664     247460       Oil Age     mis     Client Info     0     364664     247460       Oil Changed     Client Info     Not Changd     Not Changd     Not Changd     Not Changd       Sample Status     method     Imit/base     current     History1     History2       Water     WC Method     >.2     NEG     NEG     NEG       VEAR METALS     method     imit/base     current     History1     History2       Iron     ppm     ASTM 05185m     >10     6     6     8       Silver     ppm     ASTM 05185m     >25     2     2     3       Silver     ppm     ASTM 05185m     >25     0     0     0       Gopper     ppm     ASTM 05185m     >10     1     2     3       Tina     ppm     ASTM 05185m     >10     0     0     0 <tr< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>PCA0110966</th><th>PCA0100351</th><th>PCA0097031</th></tr<>	Sample Number		Client Info		PCA0110966	PCA0100351	PCA0097031
Machine Age     mis     Client Info     0     364664     247460       Oil Age     Client Info     0     364664     247460       Oil Changed     Client Info     Not Changd     Not Changd     Not Changd       Sample Status     Imit base     current     History1     Nistory2       Water     WC Method     >.2     NEG     NEG     NEG       WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D51655     >10     <1     1     1       Nickel     ppm     ASTM D51555     0     0     0     0       Silver     ppm     ASTM D51555     2     2     3     1       Lead     ppm     ASTM D51555     2     0     0     0       Copper     ppm     ASTM D51555     >10     0     0     0       Vanadium     ppm     ASTM D51555     >10     0     0     0       Vanadium     ppm     ASTM D51			Client Info		08 Nov 2023	18 Jun 2023	23 Apr 2023
Oli Changed Client Info Not Changd Not Changd Not Changd Not Changd   Sample Status method limit/base current History1 History2   Water WC Method >.2 NEG NEG NEG   WEAR METALS method limit/base current History1 History2   Iron ppm ASTM D5185m >500 147 142 164   Chromium ppm ASTM D5185m >10 6 6 8   Nickel ppm ASTM D5185m >10 6 6 8   Itamium ppm ASTM D5185m 0 0 0 0   Auminum ppm ASTM D5185m >25 0 0 0   Adaminum ppm ASTM D5185m >25 0 0 0   Cadmium ppm ASTM D5185m >10 0 <1 <1   Vanadium ppm ASTM D5185m >10 0 <1 <1   Vanadium ppm ASTM D5185m >10 0 <1 <1   Vanadium ppm ASTM D5185m 0 0 0 0   Cotomium ppm	Machine Age	mls	Client Info		0	364664	247460
Sample Status     NORMAL     NORMAL     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     imit/base     current     history1     history2       Water     WC Method     >.2     NEG     NEG     NEG       WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >500     147     142     164       Chromium     ppm     ASTM D5185m     >10     <1	-	mls	Client Info		0	364664	247460
CONTAMINATION     method     imit/base     current     history1     history2       Water     WC Method     >.2     NEG     NEG     NEG       Wear     WC Method     >.2     NEG     NEG     NEG       Wear     ppm     ASTM D5185m     >500     147     142     164       Chromium     ppm     ASTM D5185m     >10     6     6     8       Trianium     ppm     ASTM D5185m     >10     6     0     0       Aluminum     ppm     ASTM D5185m     >22     2     3     147       Aluminum     ppm     ASTM D5185m     0     0     0     0       Aluminum     ppm     ASTM D5185m     >25     2     2     3       Lead     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     10     0     <1     <1	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Water     WC Method     >.2     NEG     NEG     NEG     NEG       Wear METALS     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >500     147     142     164       Chromium     ppm     ASTM D5185m     >10     6     6     8       Titanium     ppm     ASTM D5185m     >10     6     0     0       Silver     ppm     ASTM D5185m     >25     2     2     3       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     12     0     <1     <1       Manganese     ppm     ASTM D5185m     12     0     <1<	Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m<>500     147     142     164       Chromium     ppm     ASTM D5185m<>10     6     6     8       Titanium     ppm     ASTM D5185m     0     0     0       Silver     ppm     ASTM D5185m     0     0     0       Aluminum     ppm     ASTM D5185m     >25     2     2     3       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     10     0     0     0       Cadmium     ppm     ASTM D5185m     10     0     0     0     0       Cadmium     ppm     ASTM D5185m     12     0     <1     <1     1       Manganese     ppm     ASTM D5185m     125     0     0     2     2 <th>CONTAMINAT</th> <th>ION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	CONTAMINAT	ION	method	limit/base	current	history1	history2
Iron     ppm     ASTM D5185m     >500     147     142     164       Chromium     ppm     ASTM D5185m     >10     <1     1     1       Nickel     ppm     ASTM D5185m     >10     6     6     8       Titanium     ppm     ASTM D5185m     0     0     0     0       Aluminum     ppm     ASTM D5185m     >25     2     2     3       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >100     1     2     3       Tin     ppm     ASTM D5185m     >100     0     0     0       Cadmium     ppm     ASTM D5185m     10     0     0     0       Adatium     ppm     ASTM D5185m     12     0     0     2       Boron     ppm     ASTM D5185m     12     0     0     2       Galcium     ppm     ASTM D5185m     12     0     0     2 <th>Water</th> <th></th> <th>WC Method</th> <th>&gt;.2</th> <th>NEG</th> <th>NEG</th> <th>NEG</th>	Water		WC Method	>.2	NEG	NEG	NEG
Chromium     ppm     ASTM 05185m     >10     <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >10     6     6     8       Titanium     ppm     ASTM D5185m     0     0     0       Silver     ppm     ASTM D5185m     22     2     3       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >100     1     2     3       Tin     ppm     ASTM D5185m     >100     0     <11     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Boron     ppm     ASTM D5185m     12     0     <1     <1     1       Manganese     ppm     ASTM D5185m     150     7     6     8       Phosphorus     ppm     ASTM D5185m     150     1373     1392     1333 <th>Iron</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;500</th> <th>147</th> <th>142</th> <th>164</th>	Iron	ppm	ASTM D5185m	>500	147	142	164
Titanium     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     >25     2     2     3       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     10     0     <1     <1     <1       Vanadium     ppm     ASTM D5185m     10     0     <1     <1     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     2     0     1     1     1     1     1     1     1     1     1     1     1	Chromium	ppm	ASTM D5185m	>10	<1	1	1
Silver     ppm     ASTM D5185m     0     0     0       Aluminum     ppm     ASTM D5185m     >25     2     2     3       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >10     0     <1     <1       Tin     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     10     0     0     0       Cadmium     ppm     ASTM D5185m     10     0     0     0       ADDITIVES     method     limi/base     current     history1     history2       Boron     ppm     ASTM D5185m     200     0     0     0       Magnese     ppm     ASTM D5185m     12     0     0     2       Calcium     ppm     ASTM D5185m     150     7     6     8       Phosphorus     ppm     ASTM D5185m     125     14     21     12	Nickel	ppm	ASTM D5185m	>10	6	6	8
Aluminum     ppm     ASTM D5185m     >25     2     2     3       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >100     1     2     3       Tin     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     12     0     <1     <1       Marganese     ppm     ASTM D5185m     12     0     <1     <1       Marganese     ppm     ASTM D5185m     150     7     6     8       Phosphorus     ppm     ASTM D5185m     125     14     21     12       Sulfur     ppm     ASTM D5185m     22500     22473     26539	Titanium	ppm	ASTM D5185m		0	0	0
Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >100     1     2     3       Tin     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     400     295     343     294       Barium     ppm     ASTM D5185m     12     0     <1     <1       Manganese     ppm     ASTM D5185m     12     0     <1     <1       Manganese     ppm     ASTM D5185m     150     7     6     8       Phosphorus     ppm     ASTM D5185m     125     14     21     12       Sulfur     ppm     ASTM D5185m     22500     22473     2	Silver	ppm	ASTM D5185m		0	0	0
Copper     ppm     ASTM D5185m     >100     1     2     3       Tin     ppm     ASTM D5185m     >10     0     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     400     295     343     294       Barium     ppm     ASTM D5185m     12     0     <1     <1       Magnese     ppm     ASTM D5185m     12     0     <2     2       Magnesium     ppm     ASTM D5185m     150     7     6     8       Phosphorus     ppm     ASTM D5185m     150     7     6     8       Phosphorus     ppm     ASTM D5185m     150     1373     1392     1333       Zinc     ppm     ASTM D5185m     2500     24473	Aluminum	ppm	ASTM D5185m	>25	2	2	3
Tin     ppm     ASTM D5185m     >10     0     <1	Lead	ppm	ASTM D5185m	>25	0	0	0
VanadiumppmASTM D5185m000CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m200000MolybdenumppmASTM D5185m200000MolybdenumppmASTM D5185m120<1<1MaganeseppmASTM D5185m12002CalciumppmASTM D5185m12002CalciumppmASTM D5185m12002CalciumppmASTM D5185m125142112SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYeilow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORML	Copper	ppm	ASTM D5185m	>100	1	2	3
CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m400295343294BariumppmASTM D5185m200000MolybdenumppmASTM D5185m120-1-1ManganeseppmASTM D5185m12002CalciumppmASTM D5185m12002CalciumppmASTM D5185m150768PhosphorusppmASTM D5185m125142112SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SuliconppmASTM D5185m>75242719SodiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESolduritscalar*VisualNONENONENONENONENONESoldurit	Tin	ppm	ASTM D5185m	>10	0	<1	<1
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m400295343294BariumppmASTM D5185m200000MolybdenumppmASTM D5185m120<1<1MagneseppmASTM D5185m120<1<1MagnesiumppmASTM D5185m12002CalciumppmASTM D5185m150768PhosphorusppmASTM D5185m125142112SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAstriscalar*VisualNONENONENONENONECodorsca	Vanadium	ppm	ASTM D5185m		0	0	0
BoronppmASTM D5185m400295343294BariumppmASTM D5185m200000MolybdenumppmASTM D5185m120<1<1ManganeseppmASTM D5185m12002CalciumppmASTM D5185m12002CalciumppmASTM D5185m150768PhosphorusppmASTM D5185m1650137313921333ZincppmASTM D5185m125142112SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONESodiumscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESilitscalar <t< th=""><th>Cadmium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th>0</th></t<>	Cadmium	ppm	ASTM D5185m		0	0	0
BariumppmASTM D5185m200000MolybdenumppmASTM D5185m120<1<1ManganeseppmASTM D5185m12002CalciumppmASTM D5185m12002CalciumppmASTM D5185m150768PhosphorusppmASTM D5185m1650137313921333ZincppmASTM D5185m125142112SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONENONESilitscalar*VisualNONENONENONENONENONESilitscalar*VisualNONENONENONENONENONESodiumscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONE </th <th>ADDITIVES</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	ADDITIVES		method	limit/base	current	history1	history2
MolybdenumppmASTM D5185m120<1	Boron	ppm	ASTM D5185m	400	295	343	294
Manganese     ppm     ASTM D5185m     12     13     16       Magnesium     ppm     ASTM D5185m     12     0     0     2       Calcium     ppm     ASTM D5185m     150     7     6     8       Phosphorus     ppm     ASTM D5185m     1650     1373     1392     1333       Zinc     ppm     ASTM D5185m     125     14     21     12       Sulfur     ppm     ASTM D5185m     22500     22473     26539     26601       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >75     24     27     19       Sodium     ppm     ASTM D5185m     >20     0     <1     3       VISUAL     method     limit/base     current     history1     history2       White Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     <	Barium	ppm	ASTM D5185m		-		0
MagnesiumppmASTM D5185m12002CalciumppmASTM D5185m150768PhosphorusppmASTM D5185m1650137313921333ZincppmASTM D5185m125142112SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLComparancescalar*VisualNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORML <th>Molybdenum</th> <th>ppm</th> <th></th> <th>12</th> <th></th> <th></th> <th></th>	Molybdenum	ppm		12			
CalciumppmASTM D5185m150768PhosphorusppmASTM D5185m1650137313921333ZincppmASTM D5185m125142112SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m>75242719SodiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLQdorscalar*VisualNORMLNORMLNORMLNORMLNORMLConceptified Waterscalar*Visual>.2NEGNEGNEG	Manganese	ppm	ASTM D5185m				
PhosphorusppmASTM D5185m1650137313921333ZincppmASTM D5185m125142112SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m>75242719SodiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	0	ppm	ASTM D5185m				
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SulfurppmASTM D5185m22500224732653926601CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m>75242719PotassiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Phosphorus	ppm	ASTM D5185m	1650			1333
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>75242719SodiumppmASTM D5185m1098PotassiumppmASTM D5185m<>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Zinc	ppm	ASTM D5185m	125	14	21	12
SiliconppmASTM D5185m>75242719SodiumppmASTM D5185m1098PotassiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Sulfur	ppm	ASTM D5185m	22500	22473	26539	26601
SodiumppmASTM D5185m1098PotassiumppmASTM D5185m>200<13VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	CONTAMINAN	TS	method			historv1	history2
PotassiumppmASTM D5185m>200<1					ounchi	,	
VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	Silicon	ppm	ASTM D5185m	>75			
White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG				>75	24	27	19
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Sodium	ppm	ASTM D5185m		24 10	27 9	19 8
Precipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>20	24 10 0	27 9 <1	19 8 3
Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Sodium Potassium VISUAL White Metal	ppm ppm	ASTM D5185m ASTM D5185m method *Visual	>20 limit/base NONE	24 10 0 current NONE	27 9 <1 history1 NONE	19 8 3 history2 NONE
Debrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m method *Visual *Visual	>20 limit/base NONE NONE	24 10 0 current NONE NONE	27 9 <1 history1 NONE NONE	19 8 3 history2 NONE NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualMEGNEGNEGNEG	Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m wethod *Visual *Visual *Visual	>20 limit/base NONE NONE NONE	24 10 0 current NONE NONE NONE	27 9 <1 history1 NONE NONE NONE	19 8 3 history2 NONE NONE NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m <b>method</b> *Visual *Visual *Visual *Visual	>20 limit/base NONE NONE NONE NONE	24 10 0 current NONE NONE NONE NONE	27 9 <1 NONE NONE NONE NONE NONE	19 8 3 history2 NONE NONE NONE NONE
Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m wethod *Visual *Visual *Visual *Visual *Visual	>20 limit/base NONE NONE NONE NONE NONE	24 10 0 current NONE NONE NONE LIGHT	27 9 <1 NONE NONE NONE NONE NONE NONE	19 8 3 history2 NONE NONE NONE NONE NONE
Emulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>20 limit/base NONE NONE NONE NONE NONE	24 10 0 current NONE NONE NONE LIGHT NONE	27 9 <1 NONE NONE NONE NONE NONE NONE NONE	19 8 3 history2 NONE NONE NONE NONE NONE NONE
Free Water scalar *Visual NEG NEG NEG	Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 limit/base NONE NONE NONE NONE NONE NONE NORE	24 10 0 current NONE NONE NONE LIGHT NONE NORML	27 9 <1 NONE NONE NONE NONE NONE NONE NONE NON	19 8 3 history2 NONE NONE NONE NONE NONE NONE NONE
	Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 Imit/base NONE NONE NONE NONE NONE NONE NONE NORML NORML	24 10 0 current NONE NONE NONE LIGHT NONE NORML NORML	27 9 <1 NONE NONE NONE NONE NONE NONE NORE NORML NORML	19 8 3 history2 NONE NONE NONE NONE NONE NORML NORML
	Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 Imit/base NONE NONE NONE NONE NONE NONE NONE NORML NORML	24 10 0 current NONE NONE NONE LIGHT NONE NORML NORML NORML NEG	27 9 <1 NONE NONE NONE NONE NONE NONE NORML NORML NEG	19 8 3 NONE NONE NONE NONE NONE NONE NORML NORML NEG



# **OIL ANALYSIS REPORT**



story2
story2
mage
mage



## **PERDUE FARMS - GEORGETOWN**

20621 SAVANAH RD GEORGETOWN, DE US 19947 Contact: ROBERT LOCKWOOD Robert.Lockwood@Perdue.com T: F:



Test Package : FLEET Certificate L2367 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)

Diagnosed

: 19 Dec 2023

Diagnostician : Don Baldridge

: 06036379

Laboratory Sample No.

Lab Number

Unique Number : 10791608