

OIL ANALYSIS REPORT

Sample Rating Trend





420095 - SW4023 Component Transmission (Manual)

TDTO FLUID SAE 10W (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Machine Id

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

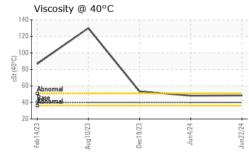
Fluid Condition

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

Sample Date Client Info 22 Jun 2024 04 Jun 2024 19 Dec 2023 Machine Age mis Client Info 141876 126541 109082 Oil Age mis Client Info 141876 126541 109082 Sample Status Client Info Changed Changed Changed Changed Sample Status method Imit/base current history1 History2 Water WC Method >0.1 NEG NEG NEG VEAR METALS method Imit/base current history1 history2 Kromium ppm ASTM 05185m >5 <1 0 0 Nickel ppm ASTM 05185m >5 <1 0 0 Nickel ppm ASTM 05185m >5 <1 0 0 Adumium ppm ASTM 05185m >5 <1 0 0 Adumium ppm ASTM 05185m >10 <1 1 0 <th>SAMPLE INFOR</th> <th>MATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age mis Client Info 141876 126541 109082 Oil Age mis Client Info 141876 126541 109082 Oil Changed Client Info 141876 126541 109082 Oil Age Client Info NORMAL NORMAL NORMAL CONTAMINATION method Imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WetAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5165m >5 <1 0 0 Titanium ppm ASTM D5165m >5 <1 0 0 Lead ppm ASTM D5165m >7 0 0 0 0 Cadmium ppm ASTM D5165m >10 <1 <1 0 Vanadium ppm ASTM D5165m >7 0 0 0 1<1 1<1 <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>GFL0123549</th> <th>GFL0123601</th> <th>GFL0105537</th>	Sample Number		Client Info		GFL0123549	GFL0123601	GFL0105537
Oil Age mis Client Info 141876 126541 109082 Oil Changed Client Info Changed	Sample Date		Client Info		22 Jun 2024	04 Jun 2024	19 Dec 2023
Oil Changed Client Info Changed NORMAL Changed NORMAL Changed NORMAL Changed ABNORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 <1 <1 <1 Nickel ppm ASTM D5185m >55 <1 0 0 Nickel ppm ASTM D5185m >55 <1 0 0 Nickel ppm ASTM D5185m >5 <1 0 0 Silver ppm ASTM D5185m >5 <1 0 0 Cadmium ppm ASTM D5185m >225 33 22 21 Tin ppm ASTM D5185m >10 <1 <1 0 Vanadium ppm ASTM D5185m >25 33 22 1 Astm D5185m >10 <1 <1 <1 <1 Cadmium ppm ASTM D5185m 0 0 <1 ASTM D5185m 7 0 0	Machine Age	mls	Client Info		141876	126541	109082
Sample Status NORMAL NORMAL NORMAL ABNORMAL CONTAMINATION method imil/base current history1 history2 Water WC Method >0.1 NEG NEG NEG Wear METALS method imil/base current history1 history2 Iron ppm ASTM D5185m >50 <1 <1 <1 Nickel ppm ASTM D5185m >55 <1 0 0 Itanium ppm ASTM D5185m >7 0 0 0 Aluminum ppm ASTM D5185m >7 0 0 0 Copper ppm ASTM D5185m >10 <1 <1 0 Copper ppm ASTM D5185m >10 <1 <1 0 Adadium ppm ASTM D5185m 7 0 0 0 Copper ppm ASTM D5185m 7 0 0 0	Oil Age	mls	Client Info		141876	126541	109082
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG Wear Wear WC Method >0.1 NEG NEG NEG Wear Wear ppm ASTM D5185m >50 <1 <1 <1 fron ppm ASTM D5185m >55 <1 0 0 Nickel ppm ASTM D5185m >55 <1 0 0 Silver ppm ASTM D5185m >55 <1 0 0 Aluminum ppm ASTM D5185m >255 3 0 1 1 Lead ppm ASTM D5185m >255 33 22 21 1 Adminum ppm ASTM D5185m >10 <1 <1 0 <1 Copper ppm ASTM D5185m 10 0 0 <1 <1 Cadmium ppm ASTM D5185m	Oil Changed		Client Info		Changed	Changed	Changed
Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5186m >200 6 3 3 Chromium ppm ASTM D5186m >5 <1 <1 <1 Nickel ppm ASTM D5186m >5 <1 0 <1 Silver ppm ASTM D5186m >25 3 0 1 Lead ppm ASTM D5186m >25 3 0 1 Lead ppm ASTM D5186m >25 3 0 0 Vanadium ppm ASTM D5186m >10 <1 1 Vanadium ppm ASTM D5185m 10 <1 1 ASTM D5185m 7 0 0 <1 1 Manganese ppm ASTM D5185m 75 5 6 6 Cadmium ppm	Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >200 6 3 3 Chromium ppm ASTM D5185m >5 <1 <1 <1 Nickel ppm ASTM D5185m >5 <1 0 0 Nickel ppm ASTM D5185m >7 0 0 0 Aluminum ppm ASTM D5185m >7 0 0 0 Aluminum ppm ASTM D5185m >25 3 0 1 Lead ppm ASTM D5185m >25 3 0 0 Vanadium ppm ASTM D5185m >10 <1 <1 0 Vanadium ppm ASTM D5185m 0 0 <1 1 ADDITIVES method limit/base current history1 history2 Barium ppm ASTM D5185m 7 0 0	CONTAMINAT	ION	method	limit/base	current	history1	history2
Iron ppm ASTM D5185m >200 6 3 3 Chromium ppm ASTM D5185m >5 <1 <1 <1 Nickel ppm ASTM D5185m >5 <1 0 <1 Nickel ppm ASTM D5185m >5 <1 0 <1 Silver ppm ASTM D5185m >7 0 0 0 Aluminum ppm ASTM D5185m >25 3 0 1 Lead ppm ASTM D5185m >25 33 22 21 Tin ppm ASTM D5185m >10 <1 <1 0 Cadmium ppm ASTM D5185m 0 0 <1 1 ADD1TIVES method Imit/base current history1 history2 Boron ppm ASTM D5185m 7 0 0 0 Molybdenum ppm ASTM D5185m 265 5 6 <td< th=""><th>Water</th><th></th><th>WC Method</th><th>>0.1</th><th>NEG</th><th>NEG</th><th>NEG</th></td<>	Water		WC Method	>0.1	NEG	NEG	NEG
Dromium ppm ASTM D5185m >5 <1	WEAR METAL	S	method	limit/base	current	history1	history2
NickelppmASTM D5185m>5<1	Iron	ppm	ASTM D5185m	>200	6	3	3
Titanium ppm ASTM D5185m <1	Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Silver ppm ASTM D5185m >7 0 0 0 Aluminum ppm ASTM D5185m >25 3 0 1 Lead ppm ASTM D5185m >45 0 0 0 Copper ppm ASTM D5185m >225 33 22 21 Tin ppm ASTM D5185m >10 <1 10 0 Vanadium ppm ASTM D5185m 10 0 0 <1 Cadmium ppm ASTM D5185m 0 0 0 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 37 5 4 5 Barium ppm ASTM D5185m 7 0 0 0 Magnesee ppm ASTM D5185m 2650 2853 3042 2902 Phosphorus ppm ASTM D5185m 105 13 15	Nickel	ppm	ASTM D5185m	>5	<1	0	0
Aluminum ppm ASTM D5185m >25 3 0 1 Lead ppm ASTM D5185m >45 0 0 0 Copper ppm ASTM D5185m >225 33 22 21 Tin ppm ASTM D5185m >10 <1 <1 0 Vanadium ppm ASTM D5185m 0 0 <1 0 Cadmium ppm ASTM D5185m 0 0 <1 0 ASTM D5185m 7 0 0 <1 1 1 1 Manganese ppm ASTM D5185m 7 0 0 0 0 Magnesium ppm ASTM D5185m 5 3 2 1 1 Magnesium ppm ASTM D5185m 1 1 1 1 1 Magnesium ppm ASTM D5185m 1050 982 992 906 Zinc ppm ASTM D5185m <th>Titanium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th><1</th> <th>0</th> <th><1</th>	Titanium	ppm	ASTM D5185m		<1	0	<1
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Copper ppm ASTM D5185m >225 33 22 21 Tin ppm ASTM D5185m >10 <1 <1 0 Vanadium ppm ASTM D5185m 0 0 <1 0 Cadmium ppm ASTM D5185m 0 0 <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 37 5 4 5 Barium ppm ASTM D5185m 7 0 0 0 Maganese ppm ASTM D5185m 5 3 22 1 Maganese ppm ASTM D5185m 75 6 6 6 Calcium ppm ASTM D5185m 1050 982 992 906 Zinc ppm ASTM D5185m 1075 1133 1146 1157 Sulfur ppm ASTM D5185m >125 13 15 </th <th>Aluminum</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>25</th> <th>3</th> <th>0</th> <th>1</th>	Aluminum	ppm	ASTM D5185m	>25	3	0	1
TinppmASTM D5185m>10<1	Lead	ppm	ASTM D5185m	>45	0	0	0
VanadiumppmASTM D5185m00<1	Copper	ppm	ASTM D5185m	>225	33	22	21
CadmiumppmASTM D5185m00<1	Tin	ppm	ASTM D5185m	>10	<1	<1	0
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m37545BariumppmASTM D5185m7000MolybdenumppmASTM D5185m5321ManganeseppmASTM D5185m<1<1<1<1ManganeseppmASTM D5185m40556CalciumppmASTM D5185m40556CalciumppmASTM D5185m1050982992906ZincppmASTM D5185m1075113311461157SulfurppmASTM D5185m5750394840433461CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125131513SodiumppmASTM D5185m>20200VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESodiumppsscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONE<	Vanadium	ppm	ASTM D5185m		0	0	<1
BoronppmASTM D5185m37545BariumppmASTM D5185m7000MolybdenumppmASTM D5185m5321ManganeseppmASTM D5185m4556CalciumppmASTM D5185m40556CalciumppmASTM D5185m2650285330422902PhosphorusppmASTM D5185m1050962992906ZincppmASTM D5185m1075113311461157SulfurppmASTM D5185m5750394840433461CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125131513SodiumppmASTM D5185m>20200VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAstroscalar*VisualNORMLNORMLNORMLNORMLAstroscalar <th>Cadmium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th><1</th>	Cadmium	ppm	ASTM D5185m		0	0	<1
BariumppmASTM D5185m70000MolybdenumppmASTM D5185m5321ManganeseppmASTM D5185m<<1<1<1MagnesiumppmASTM D5185m40556CalciumppmASTM D5185m2650285330422902PhosphorusppmASTM D5185m1050982992906ZincppmASTM D5185m1075113311461157SulfurppmASTM D5185m5750394840433461CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125131513SodiumppmASTM D5185m>20200VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORML </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 D5185m5321ManganeseppmASTM D5185m40556CalciumppmASTM D5185m2650285330422902PhosphorusppmASTM D5185m1050982992906ZincppmASTM D5185m1075113311461157SulfurppmASTM D5185m5750394840433461CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125131513SodiumppmASTM D5185m>20200VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESodiurscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONESolitscalar*VisualNONENONENONENONENONESolitscalar*VisualNONENONENONENONEN	Boron	ppm	ASTM D5185m	37	5	4	5
ManganeseppmASTM D5185m<1	Barium	ppm	ASTM D5185m	7	0	0	0
MagnesiumppmASTM D5185m40556CalciumppmASTM D5185m2650285330422902PhosphorusppmASTM D5185m1050982992906ZincppmASTM D5185m1075113311461157SulfurppmASTM D5185m5750394840433461CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125131513SodiumppmASTM D5185m>20200VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Molybdenum	ppm	ASTM D5185m	5	3	2	1
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PhosphorusppmASTM D5185m1050982992906ZincppmASTM D5185m1075113311461157SulfurppmASTM D5185m5750394840433461CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125131513SodiumppmASTM D5185m>20200VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAstrix Scalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENORENONENONEAstrix Scalar*VisualNORMLNORMLNORMLNORMLNORMLAstrix Scalar*VisualNORENORENONENONENONESand/Dirtscalar*VisualNORMLNORMLNORMLNORMLNORMLAstrix Scalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLAppearance <th>Magnesium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>40</th> <th>5</th> <th>5</th> <th>6</th>	Magnesium	ppm	ASTM D5185m	40	5	5	6
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SiliconppmASTM D5185m< >125131513SodiumppmASTM D5185m345PotassiumppmASTM D5185m>20200VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Zinc						
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PotassiumppmASTM D5185m>20200VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	1075 5750	1133 3948	1146 4043	1157 3461
VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE MODER Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Zinc Sulfur	ppm ppm ITS	ASTM D5185m ASTM D5185m method	1075 5750 limit/base	1133 3948 current	1146 4043 history1	1157 3461 history2
White Metalscalar*VisualNONENONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Zinc Sulfur CONTAMINAN	ppm ppm ITS ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	1075 5750 limit/base	1133 3948 current 13	1146 4043 history1 15	1157 3461 history2 13
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Zinc Sulfur CONTAMINAN Silicon	ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	1075 5750 limit/base >125	1133 3948 current 13 3	1146 4043 history1 15 4	1157 3461 history2 13 5
Precipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	1075 5750 limit/base >125 >20	1133 3948 current 13 3 2	1146 4043 history1 15 4 0	1157 3461 history2 13 5 0
Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	1075 5750 imit/base >125 >20 imit/base NONE	1133 3948 current 13 3 2 current NONE	1146 4043 history1 15 4 0 history1 NONE	1157 3461 history2 13 5 0 history2 ▲ MODER
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL	ppm ppm TS ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	1075 5750 imit/base >125 >20 imit/base NONE	1133 3948 current 13 3 2 current NONE	1146 4043 history1 15 4 0 history1 NONE NONE	1157 3461 history2 13 5 0 history2 ▲ MODER
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm TS ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	1075 5750 imit/base >125 >20 imit/base NONE NONE	1133 3948 current 13 3 2 current NONE NONE NONE	1146 4043 history1 15 4 0 history1 NONE NONE	1157 3461 13 5 0 history2 history2 MODER NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm TS ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual	1075 5750 Imit/base >125 >20 Imit/base NONE NONE NONE NONE NONE	1133 3948 current 13 3 2 current NONE NONE NONE NONE	1146 4043 history1 15 4 0 history1 NONE NONE NONE NONE	1157 3461 13 5 0 history2 MODER NONE NONE
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	1075 5750 Imit/base >125 >20 Imit/base NONE NONE NONE NONE NONE	1133 3948 current 13 3 2 current NONE NONE NONE NONE	1146 4043 history1 15 4 0 history1 NONE NONE NONE NONE NONE	1157 3461 13 5 0 <u>history2</u> MODER NONE NONE NONE NONE
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	1075 5750 limit/base >125 >20 limit/base NONE NONE NONE NONE NONE NONE	1133 3948 current 13 3 2 current NONE NONE NONE NONE NONE	1146 4043 history1 15 4 0 history1 NONE NONE NONE NONE NONE NONE	1157 3461 13 5 0 history2 MODER NONE NONE NONE NONE NONE NONE
	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	1075 5750 limit/base >125 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	1133 3948 current 13 3 2 current NONE NONE NONE NONE NONE NONE NONE	1146 4043 history1 15 4 0 history1 NONE NONE NONE NONE NONE NONE NONE	1157 3461 history2 13 5 0 history2 MODER NONE NONE NONE NONE NONE NONE NONE
	Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	1075 5750 imit/base >125 20 imit/base NONE NONE NONE NONE NONE NONE NONE NON	1133 3948 current 13 3 2 current NONE NONE NONE NONE NONE NONE NONE NON	1146 4043 history1 15 4 0 history1 NONE NONE NONE NONE NONE NONE NONE NON	1157 3461 13 5 0 history2 MODER NONE NONE NONE NONE NONE NONE NONE NO
Free Water scalar *Visual NEG NEG NEG	Zinc Sulfur CONTAMINAN CONTAMINAN Silicon Sodium Potassium VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	1075 5750 imit/base >125 20 imit/base NONE NONE NONE NONE NONE NONE NONE NON	1133 3948 current 13 3 2 current NONE NONE NONE NONE NONE NONE NONE NON	1146 4043 history1 15 4 0 history1 NONE NONE NONE NONE NONE NONE NONE NON	1157 3461 13 5 0 history2 MODER NONE NONE NONE NONE NONE NONE NONE NO



OIL ANALYSIS REPORT



	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	40	48.5	48.23	53.4
	SAMPLE IMAG	ies	method	limit/base	current	history1	history2
24	Color				no image	no image	no image
Jun4,24 Jun22/24	Bottom				no image	no image	no image
	GRAPHS						
	Ferrous Alloys	Dec19/23	Jun4/24	Jun22/24			
Unique Number		1 Madiso Recei Teste Diagn	ved : 27 d : 28	r, NC 27513 7 Jun 2024 3 Jun 2024 8 Jun 2024 - V		S	st Belfort Street Sugar Land, TX US 77498
Test Package	: FLEET	ioo at 1 8	00 227 126	ว			Adrian Martinez



* - 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)

Submitted By: TECHNICIAN ACCOUNT Page 2 of 2

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