

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL



Machine Ic 510001 Component Transmission (Auto) Fluic

**DEXRON III (--- GAL)** 

### DIAGNOSIS Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

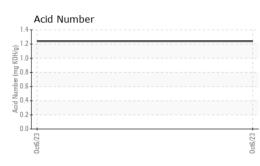
#### Fluid Condition

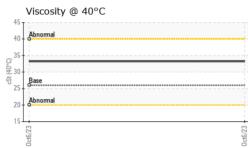
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sample Date     Client Info     06 Oct 2023         Machine Age     kms     Client Info     376229         Oil Age     kms     Client Info     0         Sample Status     Client Info     Changed         WEAR METALS     method     limi/base     current     history1     history2       Iron     ppm     ASTM D5185(m)     >5     0         Nickel     ppm     ASTM D5185(m)     >5     <1         Aluminum     ppm     ASTM D5185(m)     >5     <1         Aluminum     ppm     ASTM D5185(m)     >50     12         Lead     ppm     ASTM D5185(m)     >50     3         Autimum     ppm     ASTM D5185(m)     0         Copper     ppm     ASTM D5185(m)     0         Astim D5185(m)     0 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
SAMPLE INFORMATION     method     imit/base     current     history1     history2       Sample Number     Client Info     GFL0091558         Machine Age     kms     Client Info     06 Oct 2023         Machine Age     kms     Client Info     0         Oil Age     kms     Client Info     Changed         Sample Status     Imit/base     current     history1     history1     history2       VecAr METALS     method     Imit/base     current     history1     history1     history1       Kickel     ppm     ASTM D5185(m)     >5     0         Sliver     ppm     ASTM D5185(m)     >50     12         Auminum     ppm     ASTM D5185(m)     >50     3         Auminum     ppm     ASTM D5185(m)     >50     3         Auminum     ppm     ASTM D5185(m)     0							
Sample Number     Client Info     GFL0091558         Sample Date     Client Info     06 Oct 2023         Machine Age     kms     Client Info     0         Oil Age     kms     Client Info     0         Oil Age     kms     Client Info     Changed         Sample Status     NORMAL           WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185(m)     >5     0         Nickel     ppm     ASTM D5185(m)     >5     1         Lead     ppm     ASTM D5185(m)     >50     12         Aluminum     ppm     ASTM D5185(m)     >50     3         Lead     ppm     ASTM D5185(m)     0          Autominum     ppm					Oct2023		
Sample Date     Client Info     06 Oct 2023         Machine Age     kms     Client Info     376229         Oil Age     kms     Client Info     0         Oil Anged     Client Info     O         Sample Status     NORMAL         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185(m)     >5     0         Chromium     ppm     ASTM D5185(m)     >5     1         Mackel     ppm     ASTM D5185(m)     >5     1         Aluminum     ppm     ASTM D5185(m)     >5     1         Lead     ppm     ASTM D5185(m)     >50     3         Antimony     ppm     ASTM D5185(m)     0          Antimum     ppm     ASTM D5185(m)	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age     kms     Client Info     376229         Oil Age     kms     Client Info     0         Sample Status     NORMAL          WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185(m)     >5     0         Ohromium     ppm     ASTM D5185(m)     >5     0         Nickel     ppm     ASTM D5185(m)     >5     1         Silver     ppm     ASTM D5185(m)     >50     12         Lead     ppm     ASTM D5185(m)     >50     3         Antimony     ppm     ASTM D5185(m)     >10     <1	Sample Number		Client Info		GFL0091558		
Oil Age     kms     Client Info     0         Oil Changed     Client Info     Changed         Sample Status     Imit/base     current     history1     history2       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185(m)     >5     0         Nickel     ppm     ASTM D5185(m)     >5     <1	Sample Date		Client Info		06 Oct 2023		
Oil Changed     Client Info     Changed         Sample Status     NORMAL          WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185(m)     >160     42         Chromium     ppm     ASTM D5185(m)     >5     0         Nickel     ppm     ASTM D5185(m)     >5     1         Aluminum     ppm     ASTM D5185(m)     >50     12         Lead     ppm     ASTM D5185(m)     >50     3         Antimony     ppm     ASTM D5185(m)     >10     <1	Machine Age	kms	Client Info		376229		
Sample Status     NORMAL         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185(m)     >160     42         Chromium     ppm     ASTM D5185(m)     >5     0         Nickel     ppm     ASTM D5185(m)     >5     <1	0	kms	Client Info				
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185(m)     >160     42         Chromium     ppm     ASTM D5185(m)     >5     0         Nickel     ppm     ASTM D5185(m)     >5     <1	-		Client Info		-		
Iron     ppm     ASTM D5185(m)     >160     42         Chromium     ppm     ASTM D5185(m)     >5     0         Nickel     ppm     ASTM D5185(m)     >5     <1	Sample Status				NORMAL		
Dromium     ppm     ASTM D5188(m)     >5     0         Nickel     ppm     ASTM D5188(m)     >5     <1         Titanium     ppm     ASTM D5188(m)     >5     <1         Silver     ppm     ASTM D5188(m)     >50     12         Aluminum     ppm     ASTM D5188(m)     >50     3         Copper     ppm     ASTM D5188(m)     >225     8         Antimony     ppm     ASTM D5188(m)     >10     <1         Antimony     ppm     ASTM D5188(m)     0          Antimony     ppm     ASTM D5188(m)     0          Antimony     ppm     ASTM D5188(m)     0          Cadmium     ppm     ASTM D5188(m)     0          ADDITVES     method     limit/base	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185(m)     >5     <1         Titanium     ppm     ASTM D5185(m)     >5     <1	Iron	ppm	ASTM D5185(m)	>160	42		
Titanium     ppm     ASTM D5185(m)     0         Silver     ppm     ASTM D5185(m)     >5     <1	Chromium	ppm	ASTM D5185(m)	>5	0		
Silver     ppm     ASTM D5185(m)     >5     <1        Aluminum     ppm     ASTM D5185(m)     >50     12        Lead     ppm     ASTM D5185(m)     >50     3         Copper     ppm     ASTM D5185(m)     >225     8         Antimony     ppm     ASTM D5185(m)     >10     <1	Nickel	ppm	ASTM D5185(m)	>5	<1		
Aluminum     ppm     ASTM D5185(m)     >50     12         Lead     ppm     ASTM D5185(m)     >50     3         Copper     ppm     ASTM D5185(m)     >225     8         Tin     ppm     ASTM D5185(m)     >10     <1	Titanium	ppm	ASTM D5185(m)		0		
Lead     ppm     ASTM D5185(m)     >50     3         Copper     ppm     ASTM D5185(m)     >225     8         Tin     ppm     ASTM D5185(m)     >10     <1	Silver	ppm	ASTM D5185(m)	>5	<1		
Copper     ppm     ASTM D5185(m)     >2225     8         Tin     ppm     ASTM D5185(m)     >10     <1	Aluminum	ppm	ASTM D5185(m)	>50	12		
Tin     ppm     ASTM D5185(m)     >10     <1         Antimony     ppm     ASTM D5185(m)     0          Vanadium     ppm     ASTM D5185(m)     0          Beryllium     ppm     ASTM D5185(m)     0          Cadmium     ppm     ASTM D5185(m)     0          ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185(m)     89         Molybdenum     ppm     ASTM D5185(m)     0         Maganesium     ppm     ASTM D5185(m)     21         Calcium     ppm     ASTM D5185(m)     231         Calcium     ppm     ASTM D5185(m)     1111         Sulfur     ppm     ASTM D5185(m)     11111         S	Lead	ppm	ASTM D5185(m)	>50	3		
Antimony     ppm     ASTM D5185(m)     0         Vanadium     ppm     ASTM D5185(m)     0         Beryllium     ppm     ASTM D5185(m)     0         Cadmium     ppm     ASTM D5185(m)     0         Cadmium     ppm     ASTM D5185(m)     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185(m)     <1	Copper	ppm	ASTM D5185(m)	>225	8		
VanadiumppmASTM D5185(m)0BerylliumppmASTM D5185(m)0CadmiumppmASTM D5185(m)0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)89BariumppmASTM D5185(m)<1	Tin	ppm	ASTM D5185(m)	>10	<1		
BerylliumppmASTM D5185(m)0CadmiumppmASTM D5185(m)0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)89BariumppmASTM D5185(m)<1	Antimony	ppm	ASTM D5185(m)		0		
CadmiumppmASTM D5185(m)0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)89BariumppmASTM D5185(m)<1	Vanadium	ppm	ASTM D5185(m)		0		
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)89BariumppmASTM D5185(m)0MolybdenumppmASTM D5185(m)0ManganeseppmASTM D5185(m)<1	Beryllium	ppm	ASTM D5185(m)		0		
Boron     ppm     ASTM D5185(m)     89         Barium     ppm     ASTM D5185(m)     <1	Cadmium	ppm	ASTM D5185(m)		0		
Barium     ppm     ASTM D5185(m)     <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185(m)     0         Manganese     ppm     ASTM D5185(m)     <1	Boron	ppm	ASTM D5185(m)		89		
Manganese     ppm     ASTM D5185(m)     <1         Magnesium     ppm     ASTM D5185(m)     2          Calcium     ppm     ASTM D5185(m)     102          Phosphorus     ppm     ASTM D5185(m)     231          Zinc     ppm     ASTM D5185(m)     13          Sulfur     ppm     ASTM D5185(m)     1111          Lithium     ppm     ASTM D5185(m)     <11	Barium	ppm	ASTM D5185(m)		<1		
Magnesium     ppm     ASTM D5185(m)     2         Calcium     ppm     ASTM D5185(m)     102          Phosphorus     ppm     ASTM D5185(m)     231          Zinc     ppm     ASTM D5185(m)     13          Sulfur     ppm     ASTM D5185(m)     1111          Lithium     ppm     ASTM D5185(m)          CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185(m)     3         Sodium     ppm     ASTM D5185(m)     >20     0         FLUID DEGRADATION     method     limit/base     current     history1     history2	Molybdenum	ppm	ASTM D5185(m)		0		
Calcium     ppm     ASTM D5185(m)     102         Phosphorus     ppm     ASTM D5185(m)     231         Zinc     ppm     ASTM D5185(m)     13         Sulfur     ppm     ASTM D5185(m)     1111         Lithium     ppm     ASTM D5185(m)     1111         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185(m)     3         Sodium     ppm     ASTM D5185(m)     3         Potassium     ppm     ASTM D5185(m)     >20     0         FLUID DEGRADATION     method     limit/base     current     history1     history2	Manganese	ppm	ASTM D5185(m)		<1		
Phosphorus     ppm     ASTM D5185(m)     231         Zinc     ppm     ASTM D5185(m)     13         Sulfur     ppm     ASTM D5185(m)     1111         Lithium     ppm     ASTM D5185(m)     1111         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185(m)     >20     4         Sodium     ppm     ASTM D5185(m)     >20     0         FLUID DEGRADATION     method     limit/base     current     history1     history2	-	ppm			_		
Zinc     ppm     ASTM D5185(m)     13         Sulfur     ppm     ASTM D5185(m)     1111         Lithium     ppm     ASTM D5185(m)     <11         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185(m)     >20     4         Sodium     ppm     ASTM D5185(m)     >20     4         Potassium     ppm     ASTM D5185(m)     >20     0         FLUID DEGRADATION     method     limit/base     current     history1     history2	Calcium	ppm	ASTM D5185(m)		102		
SulfurppmASTM D5185(m)1111LithiumppmASTM D5185(m)<1CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>204SodiumppmASTM D5185(m)>203PotassiumppmASTM D5185(m)>200FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2		ppm	ASTM D5185(m)				
LithiumppmASTM D5185(m)<1CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>204SodiumppmASTM D5185(m)3PotassiumppmASTM D5185(m)>200FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Zinc	ppm	ASTM D5185(m)		13		
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>204SodiumppmASTM D5185(m)3PotassiumppmASTM D5185(m)>200FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2		ppm	· · ·		1111		
Silicon     ppm     ASTM D5185(m)     >20     4         Sodium     ppm     ASTM D5185(m)     3         Potassium     ppm     ASTM D5185(m)     >20     0         FLUID DEGRADATION     method     limit/base     current     history1     history2	Lithium	ppm	ASTM D5185(m)		<1		
Sodium ppm ASTM D5185(m) 3    Potassium ppm ASTM D5185(m) >20 0    FLUID DEGRADATION method limit/base current history1 history2	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185(m)     >20     0         FLUID DEGRADATION     method     limit/base     current     history1     history2	Silicon	ppm	ASTM D5185(m)	>20	4		
FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185(m)		3		
	Potassium	ppm	ASTM D5185(m)	>20	0		
Acid Number (AN) mg KOH/g ASTM D974* 1.24	FLUID DEGRAD		method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974*		1.24		



# **OIL ANALYSIS REPORT**

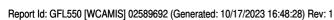




history1 history	history1	current	limit/base	method		VISUAL
		NONE	NONE	Visual*	scalar	White Metal
		NONE	NONE	Visual*	scalar	Yellow Metal
		NONE	NONE	Visual*	scalar	Precipitate
		NONE	NONE	Visual*	scalar	Silt
		NONE	NONE	Visual*	scalar	Debris
		NONE	NONE	Visual*	scalar	Sand/Dirt
		NORML	NORML	Visual*	scalar	Appearance
		NORML	NORML	Visual*	scalar	Odor
		NEG	>0.1	Visual*	scalar	Emulsified Water
		NEG		Visual*	scalar	Free Water
history1 history	history1	current	limit/base	method	RTIES	FLUID PROPE
		33.2	26.0	ASTM D7279(m)	cSt	Visc @ 40°C
history1 history	history1	current	limit/base	method	iES	SAMPLE IMAG
no image no image	no image					Color
no image no image	no image					Bottom
		Lead (ppm)			-	GRAPHS Iron (ppm)
		Savara	150			00 Severe
		Abnormal	E 100			00 - <mark>Abnormal</mark> 00 -
						0
		0ct6/23	0ct6/23			0ct6/23
m)	opm)	Chromium (pp				Aluminum (ppm)
		Severe	15			00 Severe
		Abnormal	e <sup>10</sup>			50 - Abnormal
			<b>—</b> 0			0
		0ct6/23	0ct6/23			0ct6/23
	)	Silicon (ppm)	_			Copper (ppm)
		Severe	40			00 Severe
		Abnormal	<u>특</u> 20			Abnormal
						0
		0ct6/23	0ct6/23			0ct6/23
	-					 Viscosity @ 40°C
			Hoy B			60 T
		1	Ē 1.0			40 - Abnormal 20 - Abnormal
						20
		1	N			04
		0ct6/23	Oct6/23			0ctf)/23

Accredited Laboratory Test Package : MOB 2 (Additional Tests: TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

CA T1X 1X1 Contact: Jack Levesque jlevesque@gflenv.com T: (403)265-0044 F: (403)236-0565



CALA

ISO 17025:2017

Contact/Location: Jack Levesque - GFL550