

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **427192** Component **Transmission (Auto)** Fluid **DEXRON III (--- GAL)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Transmission) $\label{eq:commutative}$

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

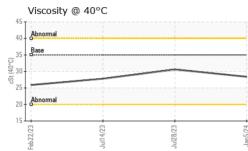
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORI	MATION	method				history2
Sample Number		Client Info		GFL0105496	GFL0089434	GFL0085492
Sample Date		Client Info		05 Jan 2024	28 Jul 2023	14 Jul 2023
Machine Age	mls	Client Info		341405	329996	327918
Oil Age	mls	Client Info		341405	329996	327918
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	11	6	43
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	5	3	11
Lead	ppm	ASTM D5185m	>50	0	0	1
Copper	ppm	ASTM D5185m	>225	58	11	82
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		13	39	116
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	<1	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	3	3
Calcium	ppm	ASTM D5185m		276	249	273
					075	529
Phosphorus	ppm	ASTM D5185m		434	375	010
	ppm ppm	ASTM D5185m ASTM D5185m		434 28	375	65
Phosphorus Zinc Sulfur				-		
Zinc	ppm ppm	ASTM D5185m	limit/base	28	32	65
Zinc Sulfur CONTAMINAN	ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m		28 795	32 1423	65 2600
Zinc Sulfur CONTAMINAN Silicon	ppm ppm TS	ASTM D5185m ASTM D5185m method		28 795 current	32 1423 history1	65 2600 history2
Zinc Sulfur	ppm ppm TS ppm	ASTM D5185m ASTM D5185m method ASTM D5185m		28 795 current 8	32 1423 history1 6	65 2600 history2 12
Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>20	28 795 current 8 5	32 1423 history1 6 2	65 2600 history2 12 5
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL	ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20	28 795 current 8 5 2	32 1423 history1 6 2 <1	65 2600 history2 12 5 2
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m Method	>20 >20 limit/base	28 795 current 8 5 2 current	32 1423 history1 6 2 <1 history1	65 2600 history2 12 5 2 kistory2
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm TS ppm ppm ppm scalar	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	>20 >20 limit/base NONE	28 795 current 8 5 2 current NONE	32 1423 history1 6 2 <1 +istory1 NONE	65 2600 history2 12 5 2 history2 NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm TS ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *Visual	>20 >20 limit/base NONE NONE	28 795 current 8 5 2 current NONE NONE	32 1423 history1 6 2 <1 istory1 NONE NONE	65 2600 history2 12 5 2 2 history2 NONE NONE
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 ASTM D5185m *Visual *Visual	>20 >20 limit/base NONE NONE NONE	28 795 current 8 5 2 2 current NONE NONE NONE	32 1423 history1 6 2 <1 istory1 NONE NONE NONE NONE	65 2600 history2 12 5 2 2 history2 NONE NONE NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm TS ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>20 >20 Imit/base NONE NONE NONE NONE	28 795 current 8 5 2 current NONE NONE NONE NONE	32 1423 history1 6 2 <1 history1 NONE NONE NONE NONE NONE	65 2600 history2 12 5 2 kistory2 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	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE	28 795 current 8 5 2 2 current NONE NONE NONE NONE NONE	32 1423 history1 6 2 <1 history1 NONE NONE NONE NONE NONE NONE	65 2600 history2 12 5 2 history2 NONE NONE NONE NONE NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	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	>20 >20 Iimit/base NONE NONE NONE NONE NONE	28 795 current 8 5 2 current NONE NONE NONE NONE NONE NONE	32 1423 history1 6 2 <1 history1 NONE NONE NONE NONE NONE NONE NONE	65 2600 12 5 2 history2 NONE NONE NONE NONE NONE NONE NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	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	>20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE	28 795 current 8 5 2 current NONE NONE NONE NONE NONE NONE NONE NON	32 1423 history1 6 2 <1 NONE NONE NONE NONE NONE NONE NONE NON	65 2600 12 5 2 NONE NONE NONE NONE NONE NONE NONE NO
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	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 *Visual	>20 >20 Imit/base NONE NONE NONE NONE NONE NONE NONE NON	28 795 current 8 5 2 current NONE NONE NONE NONE NONE NONE NONE NORE NOR	32 1423 history1 6 2 <1 NONE NONE NONE NONE NONE NONE NONE NON	65 2600 history2 12 5 2 NONE NONE NONE NONE NONE NONE NONE NO

Submitted By: TECHNICIAN ACCOUNT



OIL ANALYSIS REPORT



	FLUID PROPE	RTIES method	limit/base	current	history1	history2
-	Visc @ 40°C	cSt ASTM D445	35.0	28.4	30.6	27.8
	SAMPLE IMAG	ES method	limit/base	current	history1	history2
5	Color			no image	no image	no image
Jan5/24	Bottom			no image	no image	no image
	GRAPHS					
	Ferrous Alloys	5 5	Jan5/24 Jan5/24			
Laboratory	Viscosity @ 40°C Viscosity @ 40°C Abnormal Base Abnormal Exception Second Second	01 Madison Ave., Ca	try, NC 27513	3 GFL Envi	ironmental - 983 - S	
Sample No. Lab Number Unique Number Test Package sample report, o	: 06058507	Diagnosed : 14 Diagnostician : Dor	Jan 2024 Jan 2024 n Baldridge 9.	Cor	tact: TECHNIC	st Belfort Street Sugar Land, TX US 77498 AN ACCOUNT no@gmail.com

To discuss this sample rep * - 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)

Certificate L2367

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