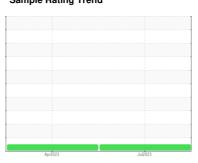


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **427180 - SW4720**

Component

Transmission

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

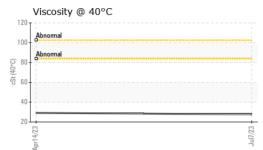
Fluid Condition

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

Client Info							
Client Info				Apr2023	Jui2023		
Client Info	SAMPLE INFOR	MATION	method				history2
Cample Date Client Info 07 Jul 2023 14 Apr 2023 1	Sample Number		Client Info		GFL0085468	GFL0075393	
Machine Age mls Client Info 339095 325078 Did Qag mls Client Info 339095 0 Did Changed Client Info Changed N/A Sample Status NORMAL NORMAL NORMAL VEAR METALS method Imit/base current history1 history2 Tron ppm ASTM 05185m >200 30 51 Chromium ppm ASTM 05185m >10 0 0 Chromium ppm ASTM 05185m 0 0 0 Chromium ppm ASTM 05185m 0 0 0 Chromium ppm ASTM 05185m 0 0 0 Chromium ppm ASTM 05185m >50 7 9 Chromium ppm ASTM 05185m >50 7 9 Chromium ppm ASTM 05185m >50 2 4 Chromium ppm ASTM 05185m >10 <1 2 Chromium ppm ASTM 05185m >10 0 Chromium ppm ASTM 05185m >10 0 Chromium ppm ASTM 05185m 0 0 0 ADDITIVES method limit/base current history1 history2 Adanganese ppm ASTM 05185m 0 0 0 Adanganese ppm ASTM 05185m 0 0 0 Adanganese ppm ASTM 05185m 444 Adanganese ppm ASTM 05185m 445 160 Chromium ppm ASTM 05185m 444 213 Chromium ppm ASTM 05185m 50 3 4 Chromium ppm ASTM 05185m 50 3 4 Chromium ppm ASTM 05185m 50 3 4 Chromium ppm ASTM 05185m 50 3			Client Info		07 Jul 2023	14 Apr 2023	
Client Info	Machine Age	mls	Client Info		339095	325078	
NORMAL N	Oil Age	mls	Client Info		339095	0	
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >200 30 51	Oil Changed		Client Info		Changed	N/A	
Description	Sample Status				NORMAL	NORMAL	
Description	WEAR METAL	.S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>200	30	51	
Dicke Description Descri	Chromium		ASTM D5185m	>10	0	0	
ASTM D5185m D	Nickel		ASTM D5185m		0	0	
Astronomic Ast	Titanium		ASTM D5185m		0	<1	
Aluminum	Silver		ASTM D5185m		0	0	
ASTM D5185m SO	Aluminum			>50		9	
ASTM D5185m STM D5185m ST	Lead				2	4	
Astronomic Ast	Copper			>200	55	45	
Astronometric Astronometri	Tin				<1	2	
ADDITIVES	Vanadium		ASTM D5185m		<1	0	
ASTM D5185m Part	Cadmium		ASTM D5185m		0		
Debris Scalar Visual None N	ADDITIVES		method	limit/base	current	history1	history2
Startium	Boron	ppm	ASTM D5185m		74	44	
Molybdenum ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m <1 <1 Magnesium ppm ASTM D5185m 2 3 Calcium ppm ASTM D5185m 455 160 Phosphorus ppm ASTM D5185m 41 50 Zinc ppm ASTM D5185m 41 50 Zinc ppm ASTM D5185m 41 50 Zinc ppm ASTM D5185m 41 490 Zinc ppm ASTM D5185m 50 3 4 CONTAMINANTS method limit/base current history1 history2 CONTAMINANTS method limit/base current history1 history2 CONTAMINANTS method limit/base current history1 history2 CONTAMINANTS method limit/base	Barium		ASTM D5185m		0	0	
Manganese ppm ASTM D5185m <1 <1 Magnesium ppm ASTM D5185m 2 3 Calcium ppm ASTM D5185m 455 160 Phosphorus ppm ASTM D5185m 441 50 Zinc ppm ASTM D5185m 1949 1490 Sulfur ppm ASTM D5185m 1949 1490 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 3 4 Goldium ppm ASTM D5185m >50 3 4 Potassium ppm ASTM D5185m >20 0 2 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Precipitate scalar	Molybdenum		ASTM D5185m		0	<1	
Magnesium ppm ASTM D5185m 2 3 Calcium ppm ASTM D5185m 455 160 Phosphorus ppm ASTM D5185m 444 213 Zinc ppm ASTM D5185m 41 50 Sulfur ppm ASTM D5185m 1949 1490 CONTAMINANTS method limit/base current history1 history2 Gilicon ppm ASTM D5185m >50 3 4 Godium ppm ASTM D5185m >20 0 2 Potassium ppm ASTM D5185m >20 0 2 Potassium ppm ASTM D5185m >20 0 2 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Viellow	Manganese		ASTM D5185m		<1	<1	
Phosphorus ppm ASTM D5185m 444 213 Zinc ppm ASTM D5185m 41 50 Sulfur ppm ASTM D5185m 1949 1490 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 3 4 Sodium ppm ASTM D5185m >6 1 Potassium ppm ASTM D5185m >20 0 2 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE	Magnesium		ASTM D5185m		2	3	
ASTM D5185m ASTM D5185m Dpm Dpm ASTM D5185m Dpm Dp	Calcium	ppm	ASTM D5185m		455	160	
ASTM D5185m	Phosphorus	ppm	ASTM D5185m		444	213	
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 3 4 Sodium ppm ASTM D5185m >6 1 Potassium ppm ASTM D5185m >20 0 2 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Poebris scalar *Visual NONE NONE NONE Poebris scalar *Visual NONE NONE NONE Poebris scalar *Visual NONE NONE NONE Appearance scalar	Zinc	ppm	ASTM D5185m		41	50	
Solition	Sulfur		ASTM D5185m		1949	1490	
Potassium	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 2 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Poebris scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Silicon	ppm	ASTM D5185m	>50	3	4	
VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Codor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Sodium	ppm	ASTM D5185m		6	1	
White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NORML NORML NORML Appearance scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Potassium	ppm	ASTM D5185m	>20	0	2	
Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Dodor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Dodor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	White Metal	scalar	*Visual	NONE	NONE	NONE	
Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Ddor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Silt	scalar	*Visual	NONE	NONE	NONE	
Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Debris	scalar	*Visual	NONE	NONE	NONE	
Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	
Free Water scalar *Visual NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID PROPERTIES method limit/base current history1 history2	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2

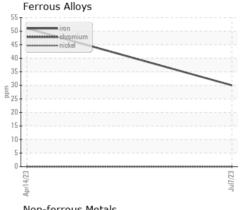


OIL ANALYSIS REPORT

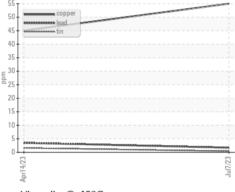


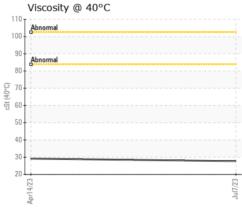


GRAPHS



Non-ferrous Metals









Laboratory Sample No. Lab Number

: GFL0085468 : 05899474 Unique Number : 10560830 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 14 Jul 2023 Received

Diagnosed : 18 Jul 2023 Diagnostician : Don Baldridge GFL Environmental - 983 - Sugar Land Hauling 16011 West Belfort Street

Sugar Land, TX US 77498 Contact: Gino Griego

ggriego@gflenv.com T:

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)

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