

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id 722009-1538 Component Transmission (Auto) Fluid SHELL SPIRAX S6 ATF (--- LTR)

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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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0103850	GFL0011731	
Sample Date		Client Info		29 Jan 2024	01 Sep 2020	
Machine Age	mls	Client Info		147080	123887	
Oil Age	mls	Client Info		147080	0	
Filter Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	Changed	
Sample Status				NORMAL	NORMAL	
Iron		4STM D5185m	<220	56	114	
Chromium	nnm	ASTM D5185m	>2	-1	~1	
Nickel	ppm	ASTM D5185m	~5	0	0	
Titanium	nnm	ASTM D5185m	20	0	<1	
Silver	ppm	ASTM D5185m	~5	0	0	
Aluminum	ppm	ASTM D5185m	>75	8	15	
Lead	ppm	ASTM D5185m	>05	0	1	
Copper	ppm	ASTM D5185m	>60	4	6	
Tin	ppm	ASTM D5185m	>10	-1	1	
Vanadium	ppm	ASTM D5185m	>10	0	0	
White Metal	scalar	*Vieual	NONE	NONE	UGHT	
Vellow Metal	scalar	*Vieual	NONE	NONE	NONE	
i chow wictai	Juan	visual	NONE		NONE	
Silicon	ppm	ASTM D5185m	>25	7	10	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>25 >20	7 <1	10 <1	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>25 >20 >0.1	7 <1 NEG	10 <1 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>25 >20 >0.1 NONE	7 <1 NEG NONE	10 <1 NEG NONE	
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>25 >20 >0.1 NONE NONE	7 <1 NEG NONE NONE	10 <1 NEG NONE NONE	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>25 >20 >0.1 NONE NONE NONE	7 <1 NEG NONE NONE NONE	10 <1 NEG NONE NONE NONE	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>25 >20 >0.1 NONE NONE NORE	7 <1 NEG NONE NONE NONE NORML	10 <1 NEG NONE NONE NONE NORML	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>25 >20 >0.1 NONE NONE NONE NORML	7 <1 NEG NONE NONE NONE NORML NORML	10 <1 NEG NONE NONE NONE NORML NORML	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>25 >20 >0.1 NONE NONE NORML NORML >0.1	7 <1 NEG NONE NONE NORE NORML NEG	10 <1 NEG NONE NONE NORML NORML NEG	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>25 >20 >0.1 NONE NONE NORML NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3	10 <1 NEG NONE NONE NONE NORML NORML NEG	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99	10 <1 NEG NONE NONE NORML NORML NEG 2 152	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NORME NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99 0	10 <1 NEG NONE NONE NORML NORML NEG 2 152 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99 0 0	10 <1 NEG NONE NONE NORML NORML NEG 2 152 0 <1	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99 0 0 0 1	10 <1 NEG NONE NONE NORML NORML NEG 2 152 0 <1 152	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NORME NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99 0 0 0 1 2	10 <1 NEG NONE NONE NORML NORML NEG 2 152 0 <1 1 2	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99 0 0 0 1 2 115	10 <1 NEG NONE NONE NORML NORML NEG 2 152 0 <1 152 0 <1 1 0 58	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99 0 0 0 1 2 115 238	10 <1 NEG NONE NONE NORML NORML NEG 2 152 0 <152 0 <1 152 0 58 319	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm pcalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NORML NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99 0 0 1 2 115 238 <1	10 <1 NEG NONE NONE NORML NORML NEG 2 152 0 <152 0 <1 1 0 58 319 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NORME NORML >0.1	7 <1 NEG NONE NONE NORML NORML NEG 3 99 0 0 0 1 2 115 238 <1 1378	10 <1 NEG NONE NONE NORML NORML NEG 2 152 0 <152 0 <1 1 0 58 319 0 992	

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Submitted By: Matt oversee 654, 654S, 659 - Matthew Shinault



Ferrous Alloys 120 110 100 ٩r 80 70 mdo 60 50 40 30 20 10 0 2eb Non-ferrous Metals 10 ppm 0 Sep 1 Viscosity @ 40°C 41 4(39 38 37 30 () 35 ŝ 34 33 32 3 Abnorma 30 29 Sep1/20. lan29/24

> GFL Environmental - 654S - Midlothian 12230 Deergrove Road Midlothian, VA : 14 Feb 2024 - Wes Davis US 23112 Contact: Corbin Umphlet cumphlet@gflenv.com Т: F:



Unique Number : 10873909 Diagnosed 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)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Tested

: 12 Feb 2024

: 14 Feb 2024

Laboratory

Sample No.

Lab Number : 06086464

: GFL0103850

Submitted By: Matt oversee 654, 654S, 659 - Matthew Shinault