

OIL ANALYSIS REPORT





Sample Rating Trend







DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

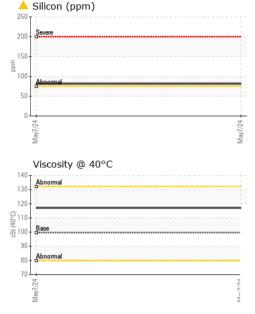
Fluid Condition

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

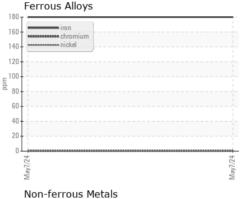
SYNTHETIC 75W90	(GAL)	May/2024				
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number	1017 (1101)	Client Info		GFL0117805		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		19522		
Oil Age	hrs	Client Info		0		
Oil Changed	0	Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	180		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	81		
Tin	ppm	ASTM D5185m	>10	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	328	40		
Barium	ppm	ASTM D5185m	1	2		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		5		
Magnesium	ppm	ASTM D5185m	1	2		
Calcium	ppm	ASTM D5185m	7	22		
Phosphorus	ppm	ASTM D5185m	1145	724		
Zinc	ppm	ASTM D5185m	3	23		
Sulfur	ppm	ASTM D5185m	17909	16215		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<u> </u>		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	<1		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	MODER		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>.2	NEG		
Free Water	scalar	*Visual		NEG		
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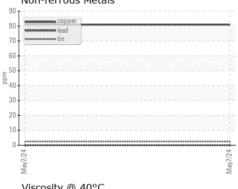


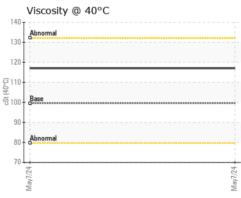
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FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	117		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						











Certificate 12367

Laboratory Sample No.

Lab Number : 06177966

Test Package : FLEET

: GFL0117805 Unique Number : 11029292

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

: 13 May 2024 : 14 May 2024 Diagnosed : 15 May 2024 - Sean Felton

7213 East Mount Houston Road Houston, TX US 77050

Contact: TECHNICIAN ACCOUNT wcgfldemo@gmail.com

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* - 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)

Report Id: GFL865 [WUSCAR] 06177966 (Generated: 05/15/2024 16:28:19) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

GFL Environmental - 865 - East Mount Hauling

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