

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

427184 Component 1 Differential Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

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 oil.

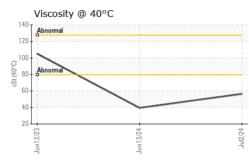
Fluid Condition

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0123584	GFL0123530	GFL0075317
Sample Date		Client Info		02 Jul 2024	13 Jun 2024	12 Jun 2023
Machine Age	mls	Client Info		361182	358831	326841
Oil Age	mls	Client Info		361182	358831	363621
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	188	344	▲ 824
Chromium	ppm	ASTM D5185m	>10	1	3	7
Nickel	ppm	ASTM D5185m	>10	2	A 33	11
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	3	13
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>100	3	1	10
Tin	ppm	ASTM D5185m	>10	<1	0	1 5
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		16	62	83
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	1
Manganese	ppm	ASTM D5185m		2	3	12
Magnesium	ppm	ASTM D5185m		1	3	3
Calcium	ppm	ASTM D5185m		27	33	22
Phosphorus	ppm	ASTM D5185m		550	554	777
Zinc	ppm	ASTM D5185m		44	132	34
Sulfur	ppm	ASTM D5185m		20410	10473	16216
CONTAMINAN						
CONTAIMINAN	ITS	method	limit/base	current	history1	history2
Silicon	DTS ppm	method ASTM D5185m	limit/base >75	current 12	history1	history2 60
Silicon	ppm	ASTM D5185m	>75	12	1 32	60
Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>75	12 1	▲ 132 2	60 4
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20	12 1 2	▲ 132 2 2	60 4 4
Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual	>75 >20 limit/base NONE NONE	12 1 2 current NONE NONE	 132 2 2 history1 NONE NONE 	60 4 4 history2 NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual	>75 >20 limit/base NONE	12 1 2 current NONE	 132 2 2 history1 NONE 	60 4 4 history2 NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m •Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE	12 1 2 current NONE NONE NONE NONE	 132 2 2 history1 NONE NONE 	60 4 4 Nonz NONE NONE LIGHT
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE	12 1 2 current NONE NONE NONE	 132 2 2 history1 NONE NONE NONE 	60 4 4 history2 NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m •Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE	12 1 2 current NONE NONE NONE NONE	 132 2 2 history1 NONE NONE NONE NONE NONE 	60 4 4 NONE NONE NONE LIGHT NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE	12 1 2 current NONE NONE NONE NONE NONE	 132 2 history1 NONE NONE NONE NONE NONE NONE NONE 	60 4 4 NONE NONE NONE LIGHT NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 Iimit/base NONE NONE NONE NONE NONE	12 1 2 current NONE NONE NONE NONE NONE	 132 2 2 history1 NONE NONE NONE NONE NONE NONE NONE NONE NONE 	60 4 4 NONE NONE NONE LIGHT NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	12 1 2 current NONE NONE NONE NONE NONE NORML	 132 2 2 history1 NONE NORE 	60 4 4 NONE NONE NONE LIGHT NONE NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 20 imit/base NONE NONE NONE NONE NONE NONE NONE NON	12 1 2 current NONE NONE NONE NONE NONE NORML NORML NEG NEG	 132 2 2 history1 NONE NONE NONE NONE NONE NONE NORML NORML NEG NEG 	60 4 4 NONE NONE NONE LIGHT NONE NONE NORML NORML



OIL ANALYSIS REPORT



FLUID PROPE	RTIES metho	od limit/base	current	history1	history
Visc @ 40°C	cSt ASTM D)445	56.5	39.5	105
SAMPLE IMAG	ES meth	od limit/base	current	history1	history
Onlar					
Color			no image	no image	no image
Bottom			no image	no image	no image
GRAPHS					
Ferrous Alloys					
800 - chromium 700 - nickel					
600					
500 400					
300					
200 -					
Jun 12/23	Jun 13/24	Jul2/24			
Non-ferrous Metal		~			
16 copper 1	-				
14 - management lead					
12					
6					
4					
0					
Jun 12/23	Jun13/24	Jul2/24			
Viscosity @ 40°C	'n				
130 Abnormal	1	1			
110					
100					
(2) 90 (分子) 80 夜 70					
60 50		_			
40 -					
30	/24	/24			
Jun12/23	Jun13/24	Jul2/24			
: WearCheck USA - 50 ⁻ : GFL0123584 r : 06230583 r : 11114076	1 Madison Ave., Received Tested Diagnosed	Cary, NC 27513 : 08 Jul 2024 : 10 Jul 2024 : 10 Jul 2024 - Se			ugar Land Ha st Belfort St Sugar Land US 77



Unique Number Contact: TECHNICIAN ACCOUNT 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)

Report Id: GFL983 [WUSCAR] 06230583 (Generated: 07/10/2024 11:31:32) Rev: 1

> Submitted By: TECHNICIAN ACCOUNT Page 2 of 2

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