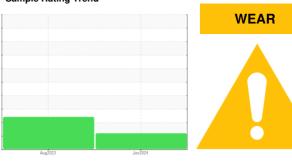


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 427190 Component

2 Differential

GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Tag)

Gear wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION method limit/base current history1 history2 Sample Number Client Info GFL0123527 GFL0089384 Sample Date Client Info 355962 318792 Oil Age mls Client Info 355962 318792 Oil Changed Client Info 355962 318792 Oil Changed Client Info ABNORMAL ABNORMAL Sample Status We Method ABNORMAL ABNORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method 2 NEG NEG Iron ppm ASTM D5185m 519 573 Iron ppm ASTM D5185m 10 9 38 Iron ppm ASTM D5185m 1 1				Aug2U23			
Sample Date Client Info 22 Jun 2024 05 Aug 2023	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 22 Jun 2024 05 Aug 2023	Sample Number		Client Info		GFL0123527	GFI 0089384	
Machine Age mls Client Info 355962 318792	·						
Oil Age mls Client Info 355962 318792	•	mls				_	
Oil Changed Sample Status Client Info Changed ABNORMAL ABNORMA							
CONTAMINATION method limit/base current history1 history2	•	11113					
CONTAMINATION method limit/base current history1 history2 Water WC Method >2 NEG NEG	-		Oliciti IIIIo		_	_	
Water WC Method .2 NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 ♣ 519 573 Chromium ppm ASTM D5185m >10 9 38 Nickel ppm ASTM D5185m >10 9 38 Silver ppm ASTM D5185m >10 9 38 Aluminum ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >25 4 14 Lead ppm ASTM D5185m >100 2 2 Copper ppm ASTM D5185m >100 2 1 Copper ppm ASTM D5185m 100 2 1 Cadmium ppm ASTM D5185m 400 75 181 <th>CONTAMINAT</th> <th>ION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	CONTAMINAT	ION	method	limit/base	current	history1	history2
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Titanium ppm ASTM D5185m <1							
Silver					-		
Aluminum ppm ASTM D5185m >25 4 14 Lead ppm ASTM D5185m >25 <1 0 Copper ppm ASTM D5185m >100 2 2 Tin ppm ASTM D5185m >10 0 <1 Vanadium ppm ASTM D5185m >0 <1 Cadmium ppm ASTM D5185m 0 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 400 75 181 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 200 0 0 Molybdenum ppm ASTM D5185m 12 3 <1 Molybdenum ppm ASTM D5185m 12 6 5							
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Vanadium ppm ASTM D5185m 0 <1							
Cadmium ppm ASTM D5185m <1				>10	-		
Boron					_		
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Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE MODER Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML	Sulfur CONTAMINAN Silicon Sodium Potassium	TS ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	125 22500 limit/base >75 >20	925 7244 current 55 2 3	40 25056 history1 206 7	 history2
Silt scalar *Visual NONE NONE MODER Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML	Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL	TS ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	125 22500 limit/base >75 >20 limit/base	925 7244 current 55 2 3	40 25056 history1 ▲ 206 7 7 history1	history2 history2 history2
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Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORML	Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm TS ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	125 22500 limit/base >75 >20 limit/base NONE NONE	925 7244 current 55 2 3 current NONE NONE	40 25056 history1 ▲ 206 7 7 history1 NONE	history2 history2 history2
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	Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	125 22500 limit/base >75 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	925 7244 current 55 2 3 current NONE NONE NONE NONE NONE NONE NONE NON	40 25056 history1 206 7 7 history1 NONE NONE NONE NONE NONE NONE NONE NO	history2 history2 history2
Free Water scalar *Visual NEG NEG	Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	125 22500 limit/base >75 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	925 7244 current 55 2 3 current NONE NONE NONE NONE NONE NONE NONE NO	40 25056 history1 206 7 7 history1 NONE NONE NONE NONE NONE NONE NONE NO	history2 history2 history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: GFL0123527 Lab Number : 06222673 Unique Number : 11100870 Test Package : FLEET

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

: 27 Jun 2024 Tested : 28 Jun 2024 Diagnosed : 29 Jun 2024 - Don Baldridge

16011 West Belfort Street Sugar Land, TX US 77498

Contact: TECHNICIAN ACCOUNT wcgfldemo@gmail.com

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] 06222673 (Generated: 06/29/2024 12:27:35) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

GFL Environmental - 983 - Sugar Land Hauling

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