

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
312000
Component

Component

Diesel Engine

AC DELCO 10W30 MOTOR OIL (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

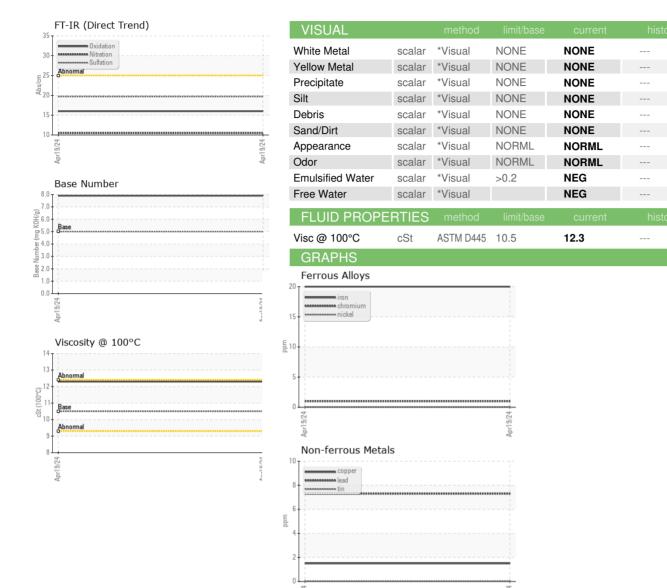
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

				Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110961		
Sample Date		Client Info		19 Apr 2024		
Machine Age	mls	Client Info		37808		
Oil Age	mls	Client Info		10000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		13		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>40	7		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		99		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		40		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		704		
Calcium	ppm	ASTM D5185m		1478		
Phosphorus	ppm	ASTM D5185m		723		
Zinc	ppm	ASTM D5185m		814		
Sulfur	ppm	ASTM D5185m		3225		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	10.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7		
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0		
Base Number (BN)	mg KOH/g	ASTM D2896	5.0	7.9		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06158770 Unique Number : 10994193

(100°C) ŝ 10

: GFL0110961 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024

Tested : 25 Apr 2024 Diagnosed

: 25 Apr 2024 - Wes Davis

Base Number

7.0

1.0 0.0

> GFL Environmental - 629 - Northern A1 3947 US 131 N Kalkaska, MI

> > US 49646-8428 Contact: MITCH HERSHBERGER

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)

Viscosity @ 100°C

Submitted By: Mitch Hershberger

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