

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 225103

Gasoline Engine

GASOLINE ENGINE OIL SAE 5W30 (--- GAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

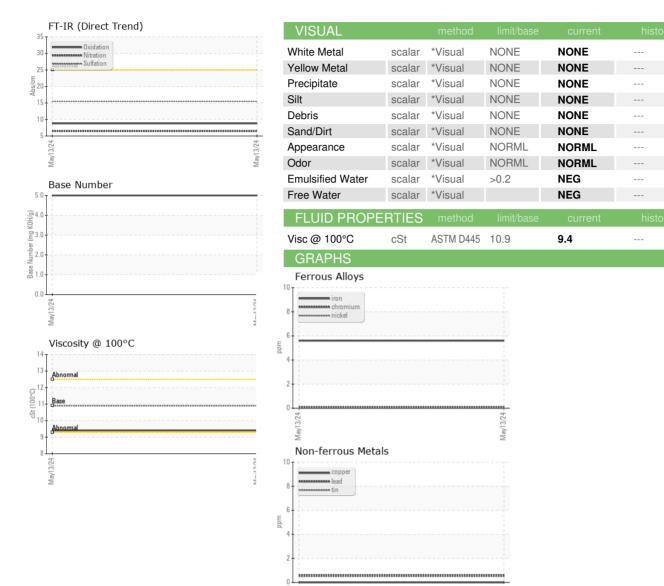
Fluid Condition

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

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SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
	VIATION		IIIIIIIIIII			Historyz
Sample Number		Client Info		GFL0108501		
Sample Date Machine Age	mle	Client Info		13 May 2024 274286		
Oil Age	mls mls	Client Info		0		
Oil Changed	11115	Client Info		N/A		
Sample Status		Ciletit iiilo		NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
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WEAR METAL		method	limit/base	current	history1	history2
Iron Chromium	ppm	ASTM D5185m ASTM D5185m	>150	6 <1		
Nickel	ppm	ASTM D5185m	>20 >5	0		
Titanium	ppm	ASTM D5185m	>5	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>40	2		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>155	0		
Tin	ppm	ASTM D5185m	>100	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	75	119		
Barium	ppm	ASTM D5185m	5	<1		
Molybdenum	ppm	ASTM D5185m	100	66		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	12	487		
Calcium	ppm	ASTM D5185m	2100	893		
Phosphorus	ppm	ASTM D5185m	650	615		
Zinc	ppm	ASTM D5185m	850	650		
Sulfur	ppm	ASTM D5185m	2500	2584		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	8		
Sodium	ppm	ASTM D5185m	>400	1		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624	>20	6.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	15.5		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.8		
Base Number (BN)	mg KOH/g	ASTM D2896		5.0		



OIL ANALYSIS REPORT







Certificate 12367

Sample No. Lab Number : 06178398 Unique Number : 11029724

: GFL0108501

(100°C)

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Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 May 2024

Tested : 14 May 2024 Diagnosed : 14 May 2024 - Wes Davis

GFL Environmental - 904 - Chippewa Falls HC

Contact/Location: Mandi Doyle - GFL904

Base Number

E 3.0

0.0

11888 & 11863 30th Avenue Chippewa Falls, WI US 54729

Contact: Mandi Doyle mdoyle@gflenv.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.

Viscosity @ 100°C

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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