

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
414018
Component

Component

Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Please specify the component make and model with your next sample.

Wear

Metal levels are typical for a components first oil change.

Contamination

There is no indication of any contamination in the oil.

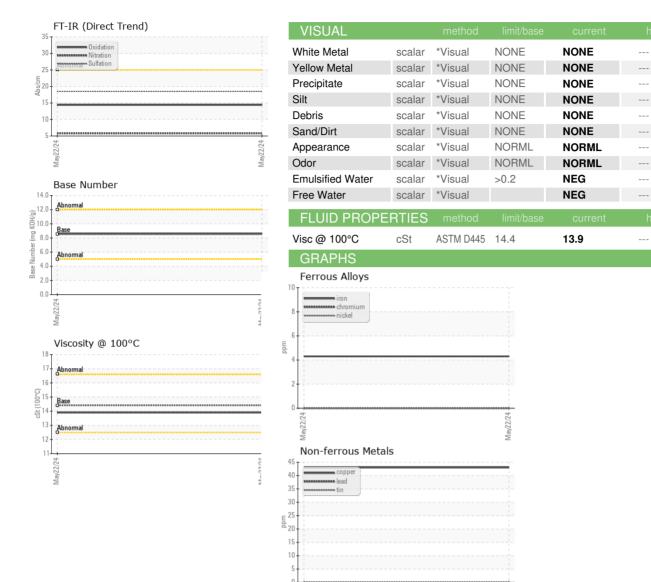
Fluid Condition

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

				May2024		
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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0123039		
Sample Date		Client Info		22 May 2024		
Machine Age	hrs	Client Info		706		
Oil Age	hrs	Client Info		706		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATI	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	4		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m		43		
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	250	24		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	64		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	979		
Calcium	ppm	ASTM D5185m	3000	1113		
Phosphorus	ppm	ASTM D5185m	1150	1047		
Zinc	ppm	ASTM D5185m	1350	1220		
Sulfur	ppm	ASTM D5185m	4250	3615		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2		
Sodium	ppm	ASTM D5185m	>216	1		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	5.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.6		
	0 0					



OIL ANALYSIS REPORT







Laboratory Sample No.

: GFL0123039 Lab Number : 06198885 Unique Number : 11061008 Test Package : FLEET

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Jun 2024

Tested : 05 Jun 2024 Diagnosed : 05 Jun 2024 - Wes Davis

GFL Environmental - 814 - Little Rock Hauling 4005 Hwy 161 N.

Base Number

12.0 (mg KOH/g) 0.8

6.0 Base 2.0 0.0

> Little Rock, AR US 72117

Contact: Brad Koenig bkoenig@gflenv.com T:

Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Viscosity @ 100°C

* - 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)

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