

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

526089 FREIGHTLINER CASCADIA 125

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- G

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

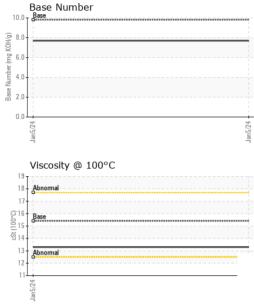
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

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AL)			Jan2024				
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0066598			
Sample Date		Client Info		05 Jan 2024			
Machine Age	hrs	Client Info		3			
Dil Age	hrs	Client Info		0			
Oil Changed	0	Client Info		N/A			
Sample Status		0.1011111110		NORMAL			
CONTAMINAT	ION	method	limit/base	current	history1	history2	
	ION						
uel		WC Method	>5	<1.0			
Vater		WC Method	>0.2	NEG			
Slycol		WC Method		NEG			
WEAR METAL	S	method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>80	51			
Chromium	ppm	ASTM D5185m	>5	<1			
lickel	ppm	ASTM D5185m	>2	<1			
ïtanium	ppm	ASTM D5185m		0			
ilver	ppm	ASTM D5185m	>3	<1			
luminum	ppm	ASTM D5185m	>30	7			
ead	ppm	ASTM D5185m	>30	7			
opper	ppm	ASTM D5185m	>150	6			
in	ppm	ASTM D5185m	>5	<1			
anadium	ppm	ASTM D5185m		0			
admium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	<1			
arium	ppm	ASTM D5185m	0	<1			
lolybdenum	ppm	ASTM D5185m	60	37			
Manganese	ppm	ASTM D5185m	0	1			
lagnesium	ppm	ASTM D5185m	1010	57			
Calcium	ppm	ASTM D5185m	1070	2249			
hosphorus	ppm	ASTM D5185m	1150	992			
inc	ppm	ASTM D5185m	1270	1154			
ulfur	ppm	ASTM D5185m		2911			
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
ilicon	ppm	ASTM D5185m	>20	8			
odium	ppm	ASTM D5185m		3			
otassium	ppm	ASTM D5185m	>20	11			
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.1			
litration	Abs/cm	*ASTM D7624	>20	8.5			
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8			
FLUID DEGRA	<i>A</i> OLTAC		limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.1			
Base Number (BN)	mg KOH/g	ASTM D7414 ASTM D2896	9.8	7.7			
ase mulliper (DIN)	ilig NOn/g	49 LIVI D5030	3.0	1.1			

Contact/Location: Edwin Collins - GFL980



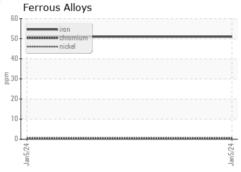
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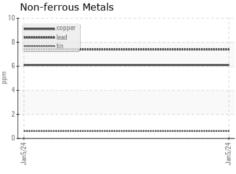


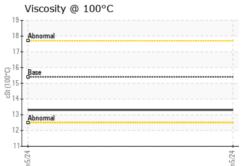
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
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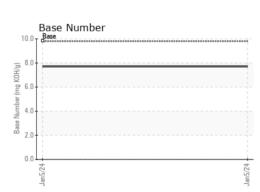
FLUID PROPE	ERITES	method	limit/base		history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.3		

GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10848030 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0066598 : 06071353

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

Recieved Diagnosed

: 26 Jan 2024 : 30 Jan 2024 Diagnostician : Sean Felton

GFL Environmental - 980 - Northside Hauling

1820 Candle Ridge Park Dr Houston, TX US 77073 Contact: Edwin Collins

ecollins@gflenv.com T:

* - 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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