

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

523108- SW7306 FREIGHTLINER CASCADIA 125

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

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

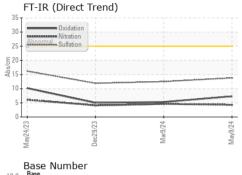
Fluid Condition

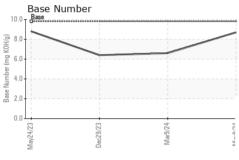
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

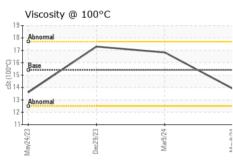
GAL)		May202	3 Dec2023	Mar2024 M	ay2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0115324	GFL0115309	GFL0066582
Sample Date		Client Info		09 May 2024	09 Mar 2024	29 Dec 2023
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	1	16	16
Chromium	ppm	ASTM D5185m	>5	0	1	2
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>30	1	3	2
Lead	ppm	ASTM D5185m	>30	<1	0	<1
Copper	ppm	ASTM D5185m	>150	0	8	9
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	2	1
Barium	ppm	ASTM D5185m	0	0	0	7
Molybdenum	ppm	ASTM D5185m	60	37	7	8
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	15	77	75
Calcium	ppm	ASTM D5185m	1070	2270	2083	2186
Phosphorus	ppm	ASTM D5185m	1150	1003	747	718
Zinc	ppm	ASTM D5185m	1270	1123	943	957
Sulfur	ppm	ASTM D5185m	2060	3380	3032	2784
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	12	16	17
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	2	4	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	4.3	4.6	4.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.8	12.5	11.9
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	7.3	5.3	5.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.7	6.6	6.4

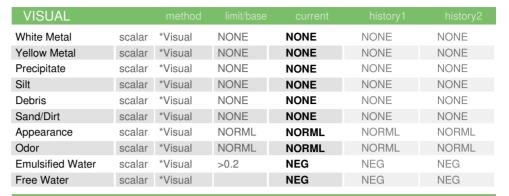


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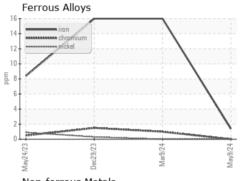


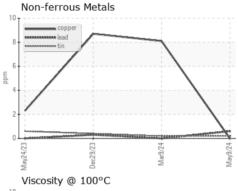


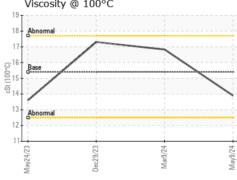


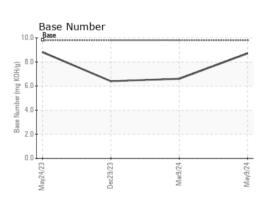
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	16.83	17.3

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06175285 Unique Number : 11021338

: GFL0115324 Test Package : FLEET

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

Received : 10 May 2024 **Tested** : 13 May 2024

Diagnosed : 13 May 2024 - Don Baldridge

GFL Environmental - 980 - Northside Hauling

1820 Candle Ridge Park Dr Houston, TX

US 77073

Contact: Edwin Collins ecollins@gflenv.com T:

 st - 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: GFL980 [WUSCAR] 06175285 (Generated: 05/13/2024 16:05:42) Rev: 1

Submitted By: Mauricio Bernabe

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