

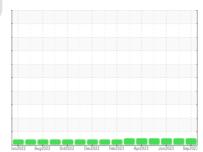
OIL ANALYSIS REPORT



GEORGIA FREIGHTLINER 5565

Component **Diesel Engine**

DIESEL ENGINE OIL SAE 15W40 (--- GAL)



Sample Rating Trend



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

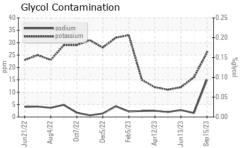
Fluid Condition

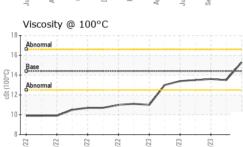
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

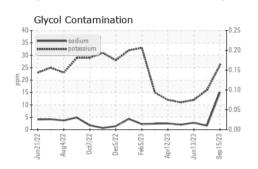
		Junzuzz Aug	12022 Oct2022 Dec202	2 Feb2023 Apr2023 Jun20	23 Sep2023	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0857177	WC0754726	WC0820339
Sample Date		Client Info		15 Sep 2023	01 Aug 2023	13 Jun 2023
Machine Age	mls	Client Info		48458	44954	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	79	33	29
Chromium	ppm	ASTM D5185m	>5	3	1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m		16	6	<1
Lead	ppm	ASTM D5185m	>30	<1	0	0
Copper	ppm	ASTM D5185m	>150	10	1	3
Tin	ppm	ASTM D5185m	>5	1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	29	31	41
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	32	11	11
Manganese	ppm	ASTM D5185m		2	1	<1
Magnesium	ppm	ASTM D5185m	450	466	680	679
Calcium	ppm	ASTM D5185m	3000	1930	1439	1528
Phosphorus	ppm	ASTM D5185m	1150	1044	763	750
Zinc	ppm	ASTM D5185m	1350	1372	890	877
Sulfur	ppm	ASTM D5185m		3248	3582	3467
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		20	5	4
Sodium	ppm	ASTM D5185m		15	2	3
Potassium	ppm	ASTM D5185m	>20	26	16	12
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	10.6	10.7	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5	22.4	21.6
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1	17.8	17.0
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.3	6.2	6.7



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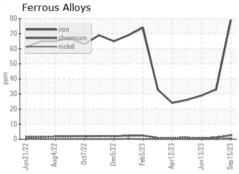


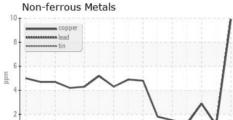


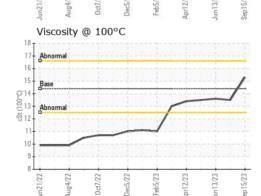
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

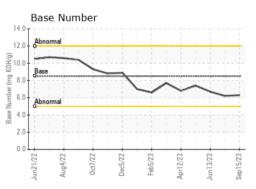
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	14.4	15.3	13.5	13.6	

GRAPHS













Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Unique Number : 10670618

: WC0857177 : 05964067

Received Diagnosed Diagnostician : Don Baldridge

: 28 Sep 2023 : 01 Oct 2023

Test Package : FLEET (Additional Tests: Glycol)

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)

LIBERTY DISPOSAL 6401 S EASTERN AVE

OKLAHOMA CITY, OK US 73149

Contact: Loran Cottle l.cottle@ldi89.com T: (910)970-0291

F: x:

Contact/Location: Loran Cottle - SEAOKL