

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

FREIGHTLINER 863911

Component

Diesel Engine

SAE 5W30 (--- 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.

				Jan 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0085550		
Sample Date		Client Info		30 Jan 2024		
Machine Age	kms	Client Info		300274		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel	1011	WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	<i>></i> 0.2	NEG		
-				NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>80	37		
Chromium	ppm	ASTM D5185(m)	>5	<1		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>30	2		
Lead	ppm	ASTM D5185(m)	>30	2		
Copper	ppm	ASTM D5185(m)	>150	15		
Tin	ppm	ASTM D5185(m)	>5	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		89		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		71		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		591		
Calcium	ppm	ASTM D5185(m)		1246		
Phosphorus	ppm	ASTM D5185(m)		639		
Zinc	ppm	ASTM D5185(m)		823		
Sulfur	ppm	ASTM D5185(m)		2444		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	17		
Sodium	ppm	ASTM D5185(m)		8		
Potassium	ppm	ASTM D5185(m)	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0		
Nitration	Abs/cm	ASTM D7644*	>20	7.2		
INICIALION	AUS/CITI	ASTIVI D/024	>20	1.4		

Sulfation

Abs/.1mm ASTM D7415* >30

17.2



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number

Unique Number : 5735117

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : PC0085550

: 02618007

Received **Tested** Diagnosed : 26 Feb 2024

: 27 Feb 2024

: 27 Feb 2024 - Wes Davis

Test Package : MOB 2 (Additional Tests: KV40, VI) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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CONCORD, ON CA L4K 3S2

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