

OIL ANALYSIS REPORT



Machine Id

FREIGHTLINER 212268

Component

Gasoline 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

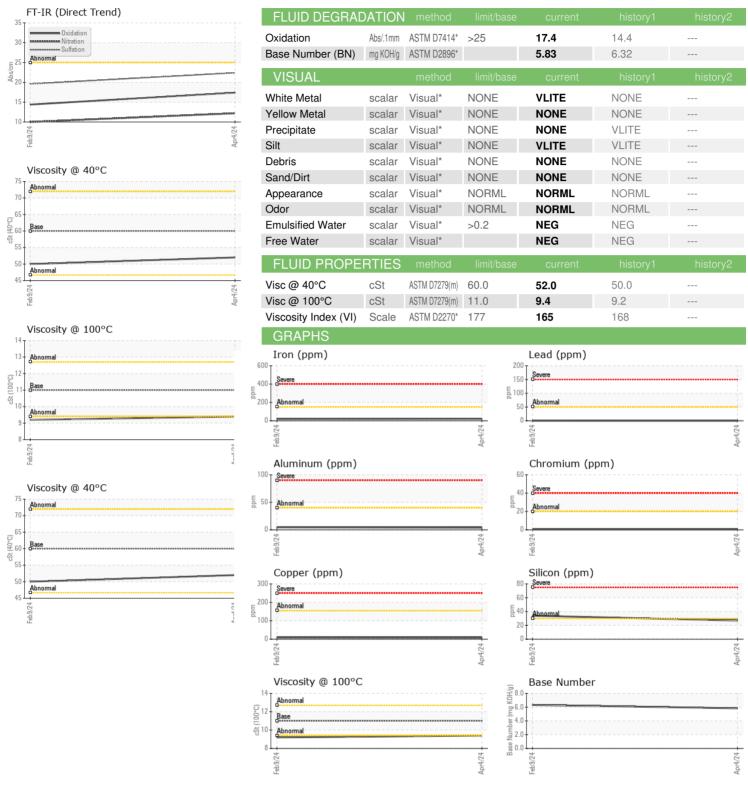
Fluid Condition

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

			Feb 2024	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0085549	PC0085551	
Sample Date		Client Info		04 Apr 2024	09 Feb 2024	
Machine Age	kms	Client Info		22014	18003	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status		Olioni illio		NORMAL	MARGINAL	
CONTAMINATION	ON	method	limit/base	current	history1	history2
Fuel	OIV	WC Method	>4.0	<1.0	▲ 3.4	motory
Water		WC Method	>4.0	<1.0 NEG	NEG	
		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG		
WEAR METALS	6	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	22	20	
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	
Nickel	ppm	ASTM D5185(m)	>5	0	<1	
Titanium	ppm	ASTM D5185(m)		<1	0	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>40	4	5	
Lead	ppm	ASTM D5185(m)	>50	0	<1	
Copper	ppm	ASTM D5185(m)	>155	9	9	
Tin	ppm	ASTM D5185(m)	>10	<1	<1	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		46	87	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)		83	87	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)		516	521	
Calcium	ppm	ASTM D5185(m)		1238	1282	
Phosphorus	ppm	ASTM D5185(m)		640	671	
Zinc	ppm	ASTM D5185(m)		739	758	
Sulfur	ppm	ASTM D5185(m)		2134	2357	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	27	34	
Sodium	ppm	ASTM D5185(m)	>400	3	3	
Potassium	ppm	ASTM D5185(m)	>20	2	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	
Nitration	Abs/cm	ASTM D7624*	>20	12.2	10.0	
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.4	19.6	



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02632528 Unique Number : 5773681

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : PC0085549 Received

Test Package : MOB 2 (Additional Tests: KV40, VI)

:01 May 2024 **Tested** : 02 May 2024 Diagnosed

: 02 May 2024 - Wes Davis

CONCORD, ON CA L4K 3S2 Contact: Service Manager

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.

T:

F:

UPS CANADA

2900 STEELES AVE W