

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FREIGHTLINER 107

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 L

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

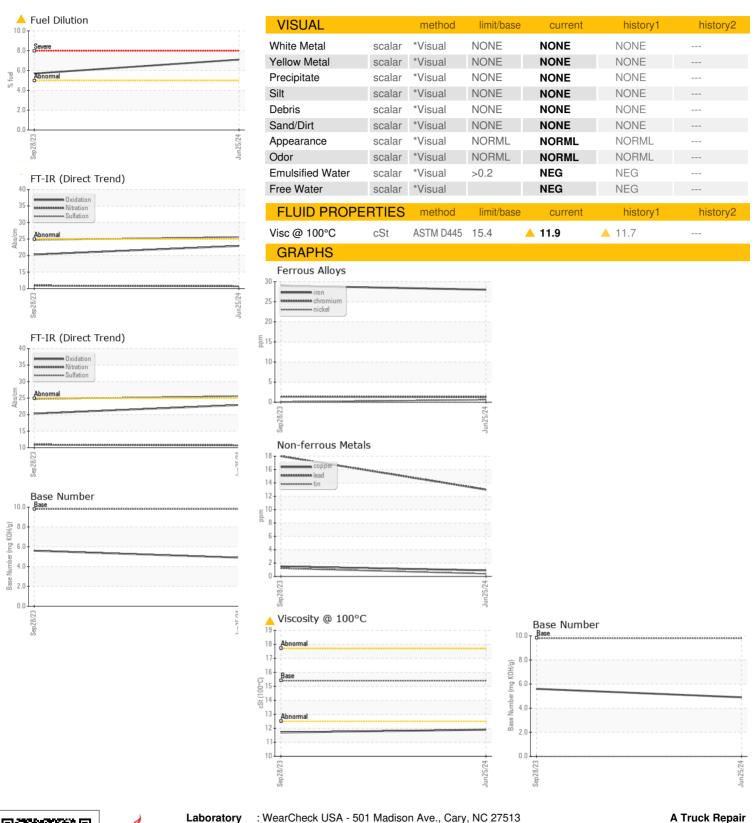
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

_TR)			Sep 2023	Jun2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	WIXTION	Client Info	III III DAGC	PCA0117375	PCA0102616	
Sample Number Sample Date		Client Info		25 Jun 2024	28 Sep 2023	
Machine Age	mls	Client Info		342193	342193	
Oil Age	mls	Client Info		458516	28446	
Oil Changed	11113	Client Info		Changed	Changed	
Sample Status		Ollerit IIIIO		ABNORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method	7 0.2	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	28	29	
Chromium	ppm	ASTM D5185m	>5	1	1	
Nickel	ppm	ASTM D5185m	>2	<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m		1	1	
Lead	ppm	ASTM D5185m	>30	13	18	
Copper	ppm	ASTM D5185m		<1	2	
Tin	ppm	ASTM D5185m	>5	<1	1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	<1	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	53	50	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	693	713	
Calcium	ppm	ASTM D5185m	1070	948	906	
Phosphorus	ppm	ASTM D5185m	1150	752	693	
Zinc	ppm	ASTM D5185m	1270	843	985	
Sulfur	ppm	ASTM D5185m	2060	2427	2526	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	6	
Sodium	ppm	ASTM D5185m		4	0	
Potassium	ppm	ASTM D5185m	>20	2	4	
Fuel	%	ASTM D3524	>5	<u>▲</u> 7.1	<u></u> 5.7	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.8	2.1	
Nitration	Abs/cm	*ASTM D7624	>20	10.7	10.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.6	24.7	
ELLID DECDAI						
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	DATION Abs/.1mm	method *ASTM D7414	limit/base >25	current 22.9	history1 20.3	history2



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Certificate 12367

Laboratory Sample No.

Lab Number : 06240002

: PCA0117375 Unique Number : 11128836

Received : 18 Jul 2024 **Tested** Diagnosed

: 19 Jul 2024

: 19 Jul 2024 - Wes Davis Test Package : FLEET (Additional Tests: PercentFuel)

Pineville, NC US 28134 Contact: Vlad Melnichuk shop@migway.com T: (980)255-3200

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

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9349 China Grove Church Road