

### **OIL ANALYSIS REPORT**

## **Boston** Western Star 327

**Diesel Engine** 

CITGO CITGARD 700 10W30 (--- GAL)

# Sample Rating Trend **WEAR**

#### **DIAGNOSIS**

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

The aluminum level is abnormal. All other component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

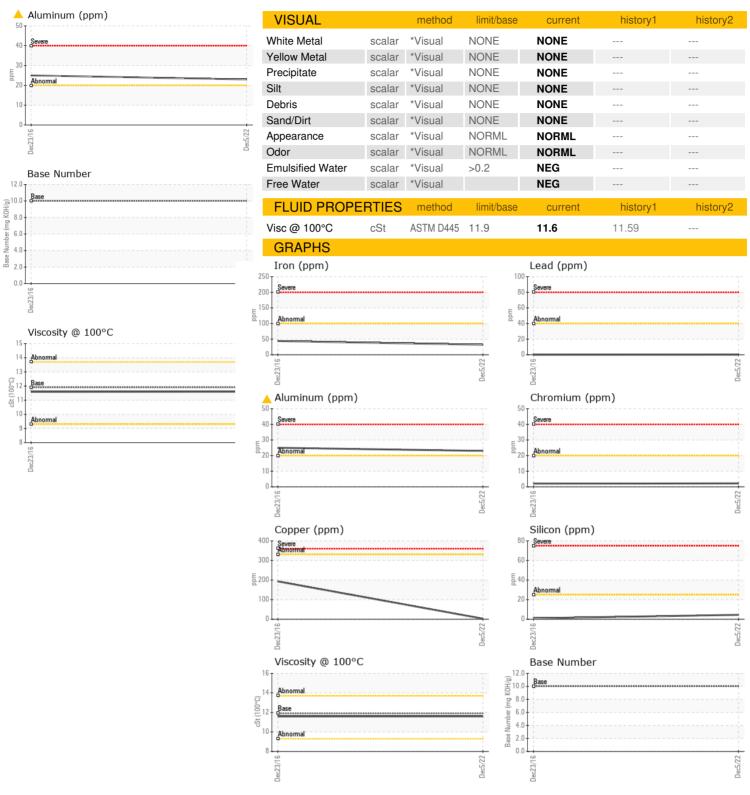
#### **Fluid Condition**

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

			Dec2016	Dec2022		
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0066630	PCA70119722	
Sample Date		Client Info		05 Dec 2022	23 Dec 2016	
	mls	Client Info		0	28477	
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATIO	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron p	ppm	ASTM D5185m	>100	32	44	
	ppm	ASTM D5185m	>20	2	2	
	ppm	ASTM D5185m	>4	0	0	
	ppm	ASTM D5185m		<1		
	ppm	ASTM D5185m	>3	0	0	
1	ppm	ASTM D5185m		<u>^</u> 23	<u>^</u> 25	
	ppm	ASTM D5185m	>40	<1	0	
	ppm			3	193	
	ppm	ASTM D5185m	>15	<1	3	
'	ppm	ASTM D5185m	710		0	
	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		0	0	
'	рртт			-	-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	7	4	
Barium p	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	64	47	
Manganese p	ppm	ASTM D5185m		<1		
Magnesium p	ppm	ASTM D5185m	798	954	713	
Calcium	ppm	ASTM D5185m	1222	1130	1148	
Phosphorus p	ppm	ASTM D5185m	984	1018	885	
Zinc	ppm	ASTM D5185m	1196	1205	1092	
Sulfur p	ppm	ASTM D5185m	2783	3395	2296	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	1	
Sodium	ppm	ASTM D5185m		2	4	
Potassium p	ppm	ASTM D5185m	>20	33	<b>△</b> 67	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.7	
Nitration /	Abs/cm	*ASTM D7624	>20	10.5		
Sulfation /	Abs/.1mm	*ASTM D7415	>30	22.6		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation /	Abs/.1mm	*ASTM D7414	>25	18.6		
	mg KOH/g	ASTM D2896	10	4.93		
(Di i)			. •			



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Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0066630 : 05709927 : 10244502

: 06 Dec 2022 Received : 08 Dec 2022 Diagnosed : Don Baldridge Diagnostician

Certificate L2367 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) **DENNIS K BURKE INC** 

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