

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



# TEMSA MOTOR COACH 158

Component

**Diesel Engine** 

PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### **Fluid Condition**

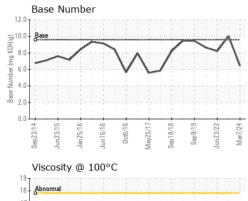
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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<del>-</del> /	ep2014 J	lun2015 Jan2016		2016 May2017	Sep2018 Sep2019	Jun2022 Mar202
RMATION	method	lim	nit/base		current	his
	Client Inf	0		PCA	011156	4 PCA01

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0111564	PCA0101058	PCA0074336
Sample Date		Client Info		07 Mar 2024	14 Sep 2023	23 Jun 2022
Machine Age	mls	Client Info		322844	310240	278821
Oil Age	mls	Client Info		12604	9492	10068
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	43	21	38
Chromium	ppm	ASTM D5185m	>20	2	1	1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	12	10	9
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	3	<1	4
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	2	0	23
Barium	ppm	ASTM D5185m	1	2	0	2
Molybdenum	ppm	ASTM D5185m	60	60	59	69
Manganese	ppm	ASTM D5185m	1	<1	<1	5
Magnesium	ppm	ASTM D5185m	1010	898	985	739
Calcium	ppm	ASTM D5185m	1070	1150	1040	1289
Phosphorus	ppm	ASTM D5185m	1150	982	1007	738
Zinc	ppm	ASTM D5185m	1270	1235	1243	918
Sulfur	ppm	ASTM D5185m	2060	3300	3127	2835
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	5	18
Sodium	ppm	ASTM D5185m		3	4	6
Potassium	ppm	ASTM D5185m	>20	4	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.7	0.6	0.7
Nitration	Abs/cm	*ASTM D7624	>20	10.0	8.0	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.7	21.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.0	16.0	18.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	6.45	10.04	8.22



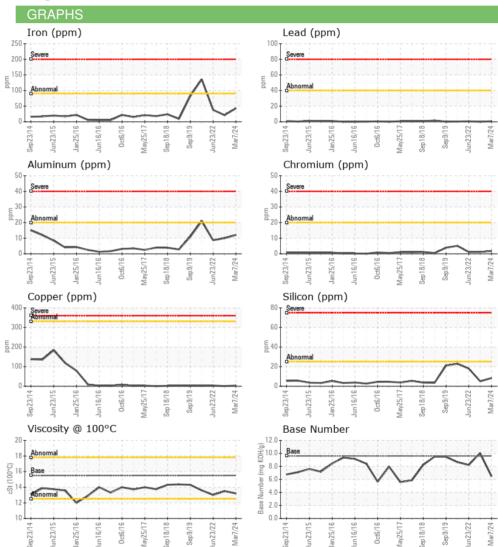
## **OIL ANALYSIS REPORT**



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
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.5	13.2	13.5	13.0

Abnormal			1				
Base						_	
Abnormal	1		<u> </u>				<b>\</b>
	V						
Sep23/14	Jan25/16 -	Jun16/16 -	Oct6/16 -	May25/17 -	Sep18/18 -	Sep9/19 -	Jun23/22 -
P2:	m2	=	Oct	ay2	8	Sep	ın2;







Certificate L2367

Laboratory Sample No.

Lab Number : 06125127 Unique Number: 10939278 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0111564 Received : 21 Mar 2024

: 24 Mar 2024 **Tested** : 24 Mar 2024 - Wes Davis Diagnosed

**BROWN BUS COMPANY - UPSTATE TRANSIT** 50 VENNER ROAD AMSTERDAM, NY

US 12010 Contact: CONNIE WILBUR cwilbur@browncoach.com

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) F: (518)843-3600

Report Id: BROAMS [WUSCAR] 06125127 (Generated: 03/24/2024 17:15:08) Rev: 1

Contact/Location: CONNIE WILBUR - BROAMS

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