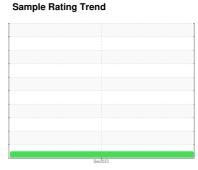


# **OIL ANALYSIS REPORT**

Sa



NORMAL



Machine Id BM-233 Component

**Diesel Engine** 

PETRO CANADA DURON SHP 10W30 (--- GAL)

## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a components first oil change.

## Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

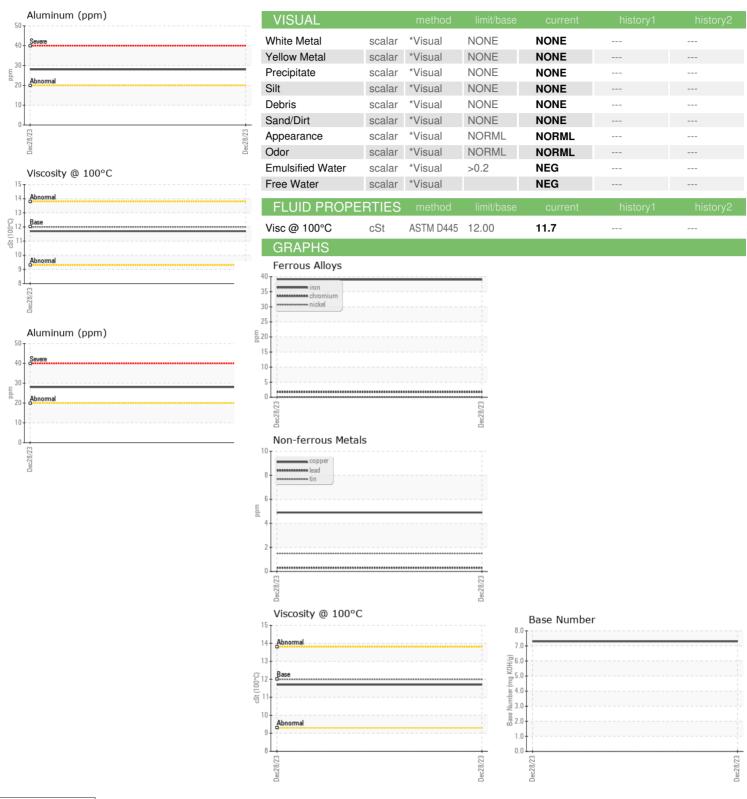
## Fluid Condition

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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AL)				Dec2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110715		
Sample Date		Client Info		28 Dec 2023		
Machine Age	hrs	Client Info		1858		
Oil Age	hrs	Client Info		1858		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
- uel		WC Method	>5	<1.0		
Vater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	39		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	0		
itanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	28		
.ead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	5		
-in		ASTM D5185m	>15	2		
/anadium	ppm	ASTM D5185m	>10	<1		
Zadmium	ppm	ASTM D5185m		0		
ADDITIVES	PPIII	method	limit/base		history1	history2
				current	,	, and the second second
Boron	ppm	ASTM D5185m	2	2		
Barium	ppm	ASTM D5185m	0	0		
/lolybdenum	ppm	ASTM D5185m	50	51		
Manganese	ppm	ASTM D5185m	0	1		
/lagnesium	ppm	ASTM D5185m	950	975		
Calcium	ppm	ASTM D5185m	1050	1111		
Phosphorus	ppm	ASTM D5185m	995	1016		
Zinc	ppm	ASTM D5185m	1180	1194		
Sulfur	ppm	ASTM D5185m	2600	2896		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	68		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7		
FLUID DEGRA	NOITAD.	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.3		
Base Number (BN)		ASTM D2896	/20	7.3		
Dase Muniber (BIN)	ilig KOH/g	AO HVI DZ030		1.3		



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: PCA0110715 : 06075436 : 10857527 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved Diagnosed Diagnostician

: 31 Jan 2024 : 01 Feb 2024 : Wes Davis

**BLUE MAX TRUCKING** 1015 E. WESTINGHOUSE BLVD.

CHARLOTTE, NC US 28273

Contact: Jody Greer jgreer@bluemaxtrucking.com

> T: (980)225-9968 F: (704)588-2901

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)