

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL



# NOT GIVEN PCA0088616

Component

**Diesel Engine** 

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

## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the oil.

## **Fluid Condition**

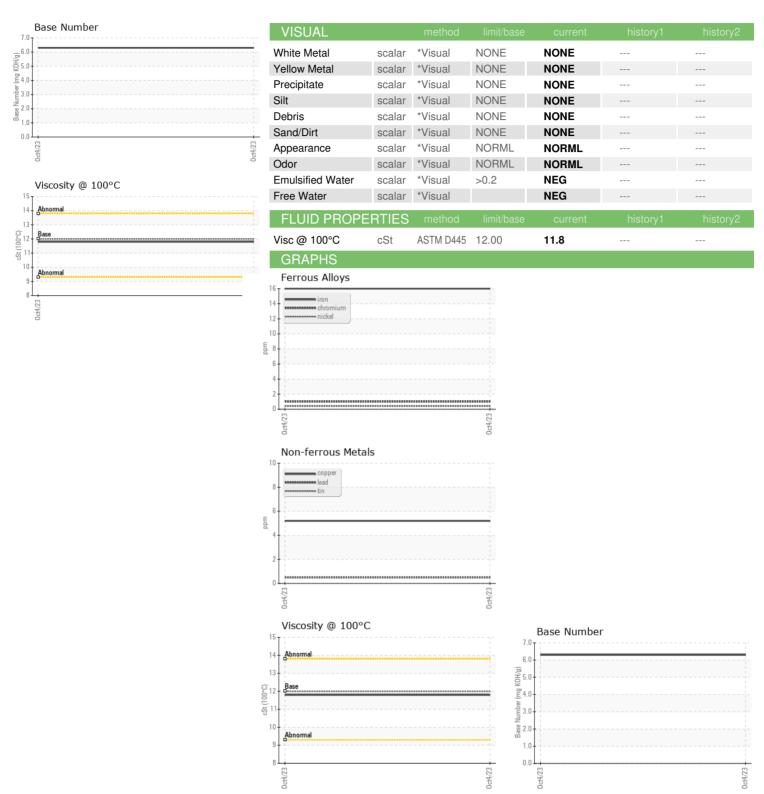
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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AL)				Oct2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0088616		
Sample Date		Client Info		04 Oct 2023		
Machine Age	mls	Client Info		610380		
Dil Age	mls	Client Info		32427		
Oil Changed		Client Info		Changed		
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	16		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	- <1		
itanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	2		
.ead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	5		
-in		ASTM D5185m	>15	<1		
/anadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES	PPIII	method	limit/base	current	history1	history2
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Boron	ppm	ASTM D5185m	2	<1		
Barium	ppm	ASTM D5185m	0	9		
/lolybdenum	ppm	ASTM D5185m	50	67		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	974		
Calcium	ppm	ASTM D5185m	1050	1136		
Phosphorus	ppm	ASTM D5185m	995	1015		
Zinc	ppm	ASTM D5185m	1180	1284		
Sulfur	ppm	ASTM D5185m	2600	2994		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	9.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4		
FLUID DEGRA	NOITAD.	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0		
Base Number (BN)		ASTM D2896	/20	6.3		
Jase Muniber (BIN)	ilig KOH/g	AO HVI DZ030		0.3		

Contact/Location: FRANK DIETZ - MIDFAR



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0088616 : 06013673

: 10752817

Received : 21 Nov 2023 Diagnosed : 22 Nov 2023

: Wes Davis Diagnostician

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)

**MIDWEST MOTOR EXPRESS** 

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