

# **OIL ANALYSIS REPORT**

Sample Rating Trend

**NORMAL** 



Machine Id 433156

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- 0

## DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## 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. No other contaminants were detected in the oil.

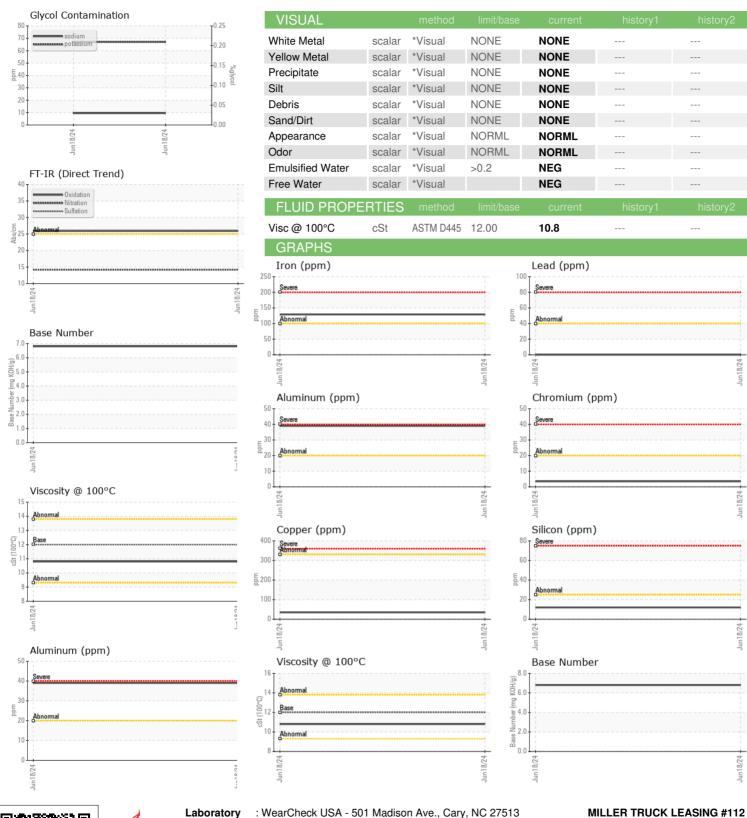
### Fluid Condition

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

AL)				Jun2024		
	ATION					
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0121757		
Sample Date		Client Info		18 Jun 2024		
3-	mls	Client Info		49212		
U	mls	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0		
Vater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron p	opm	ASTM D5185m	>100	129		
	opm	ASTM D5185m	>20	4		
Nickel p	opm	ASTM D5185m	>4	1		
Titanium p	opm	ASTM D5185m		0		
Silver	opm	ASTM D5185m	>3	0		
luminum p	opm	ASTM D5185m	>20	39		
ead p	opm	ASTM D5185m	>40	0		
Copper	opm	ASTM D5185m	>330	35		
in p	opm	ASTM D5185m	>15	4		
anadium p	opm	ASTM D5185m		<1		
Cadmium	opm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	opm	ASTM D5185m	2	14		
Barium p	opm	ASTM D5185m	0	0		
Nolybdenum p	opm	ASTM D5185m	50	58		
	opm	ASTM D5185m	0	9		
-	opm	ASTM D5185m	950	778		
	opm	ASTM D5185m	1050	1772		
	opm	ASTM D5185m	995	939		
	opm	ASTM D5185m	1180	1207		
ulfur p	opm	ASTM D5185m	2600	2988		
CONTAMINANT	S	method	limit/base	current	history1	history2
ilicon	opm	ASTM D5185m	>25	12		
odium p	opm	ASTM D5185m		10		
otassium p	opm	ASTM D5185m	>20	67		
INFRA-RED		method	limit/base	current	history1	history2
soot %	%	*ASTM D7844	>3	1.3		
litration /	Abs/cm	*ASTM D7624	>20	14.2		
	Abs/.1mm	*ASTM D7415	>30	26.0		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation /	Abs/.1mm	*ASTM D7414	>25	25.9		
	ng KOH/g	ASTM D2896		6.8		
	3 3					



# **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: PCA0121757 Lab Number : 06219347 Unique Number : 11097544

Received : 25 Jun 2024 **Tested** : 25 Jun 2024

Diagnosed : 26 Jun 2024 - Don Baldridge Test Package : MOB 1 ( Additional Tests: TBN )

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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