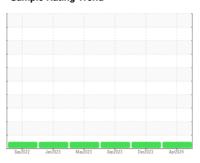


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id **636781** 

**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

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.

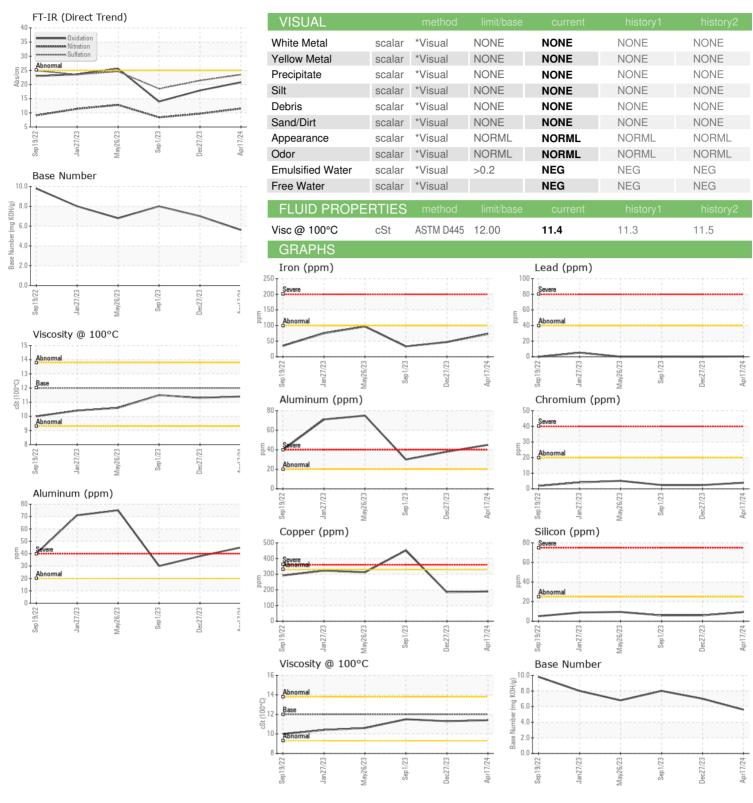
### Fluid Condition

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

GAL)		Sep 2022	Jan2023 May2023	8 Sep2023 Dec2023	Apr2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0123900	PCA0115269	PCA0104285
Sample Date		Client Info		17 Apr 2024	27 Dec 2023	01 Sep 2023
Machine Age	mls	Client Info		110526	89966	69870
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	NC	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	73	47	33
Chromium	ppm	ASTM D5185m	>20	4	2	2
Nickel	ppm	ASTM D5185m	>4	2	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m		45	38	30
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m		190	185	452
Tin	ppm	ASTM D5185m	>15	5	4	4
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	3	4	7
Barium	ppm	ASTM D5185m		0	10	0
Molybdenum	ppm	ASTM D5185m	50	66	65	62
Manganese	ppm	ASTM D5185m		3	1	1
Magnesium	ppm	ASTM D5185m	950	850	860	872
Calcium	ppm	ASTM D5185m	1050	1199	1172	1170
Phosphorus	ppm	ASTM D5185m ASTM D5185m	995 1180	826	923	965 1201
Zinc Sulfur	ppm	ASTM D5185m	2600	1118 2092	1106 2252	2974
CONTAMINANT		method	limit/base	current	history1	history2
Silicon			>25	9	6	6
Sodium	ppm	ASTM D5185m	>25	ء <1	0	2
Potassium	ppm	ASTM D5185m	>20	105	86	68
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3	0.9	0.5
Nitration	Abs/cm	*ASTM D7624	>20	11.5	9.7	8.4
Sulfation	Abs/.1mm	*ASTM D7415		23.5	21.4	18.5
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	17.9	14.0
Base Number (BN)	mg KOH/g	ASTM D2896		5.6	7.0	8.0
(=)	3 3					



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Unique Number : 10992644

: PCA0123900 Lab Number : 06157221

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Apr 2024 **Tested** : 24 Apr 2024

Diagnosed : 24 Apr 2024 - Wes Davis 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.

39 INDUSTRIAL AVE

HASBROUCK HEIGHTS, NJ US 07604

**MILLER TRUCK LEASING #119** 

Contact: MIKE LONGETTE mlongette@millertransgroup.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: MIKE LONGETTE - MILRUT

F: (201)528-7053