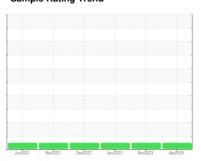


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id **2026880** 

**Diesel Engine** 

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

### 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.

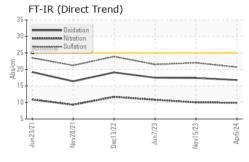
#### **Fluid Condition**

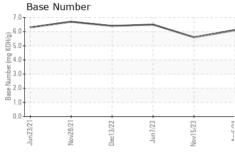
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

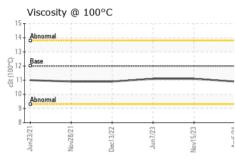
QIS)		Jun2021	Nov2021 Dec2022	Jun2023 Nov2023	Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0111499	PCA0108044	PCA0097155
Sample Date		Client Info		05 Apr 2024	15 Nov 2023	07 Jun 2023
Machine Age	mls	Client Info		293816	257056	247217
Oil Age	mls	Client Info		40000	40000	37066
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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 METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	41	40	50
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>4	2	<1	2
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	2
Lead	ppm	ASTM D5185m	>40	2	1	2
Copper	ppm	ASTM D5185m	>330	11	12	24
Tin	ppm	ASTM D5185m	>15	2	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	50	62	58	62
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m	950	885	953	985
Calcium	ppm	ASTM D5185m	1050	1061	1096	1207
Phosphorus	ppm	ASTM D5185m	995	993	852	910
Zinc	ppm	ASTM D5185m	1180	1168	1269	1278
Sulfur	ppm	ASTM D5185m	2600	3087	2771	3199
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	6
Sodium	ppm	ASTM D5185m		<1	2	3
Potassium	ppm	ASTM D5185m	>20	4	4	8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.7	0.6
Nitration	Abs/cm	*ASTM D7624	>20	9.9	10.0	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	22.0	21.5
FLUID DEGRAI	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8	17.4	17.5
Base Number (BN)	mg KOH/g	ASTM D2896		6.1	5.6	6.5

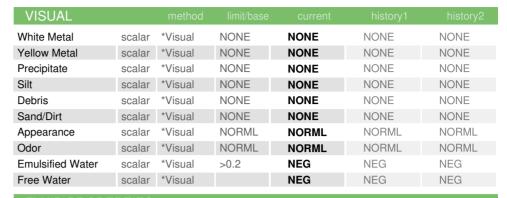


## **OIL ANALYSIS REPORT**



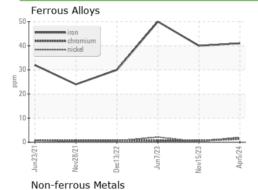


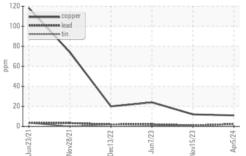


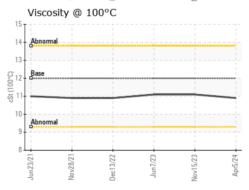


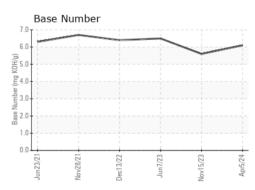
FLUID PROP	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	12.00	10.9	11.1	11.1

### **GRAPHS**













Certificate 12367

Laboratory Sample No.

: PCA0111499 Lab Number : 06152776 Unique Number : 10982854

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Apr 2024 **Tested** : 18 Apr 2024

Diagnosed : 18 Apr 2024 - Wes Davis

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)

**PERDUE FARMS - Lewiston** 210 GRIFFINS QUARTER RD

LEWISTON, NC US 27849

Contact: NELSON WALLACE nelson.wallace2@perdue.com

T:

F: Contact/Location: NELSON WALLACE - PERLEWNC