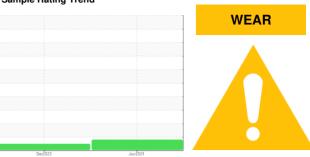


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **INTERNATIONAL 004342**

Diesel Engine

PETRO CANADA DURON SHP 10W30 (18 C

### **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

The aluminum level is abnormal. All other component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

### **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.

QTS)			Dec2023	Jun2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number	VIII CITO	Client Info		PCA0112486	PCA0091630	
Sample Date		Client Info		11 Jun 2024	08 Dec 2023	
Machine Age	mls	Client Info		80956	70937	
Oil Age	mls	Client Info		10019	70937	
Oil Changed	0	Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0	0.8	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	48	7	
Chromium	ppm	ASTM D5185m	>20	2	<1	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	<u>^</u> 26	3	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	3	<1	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<1	1	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	56	58	
Manganese	ppm	ASTM D5185m	0	<1	0	
Magnesium	ppm	ASTM D5185m	950	891	929	
Calcium	ppm	ASTM D5185m	1050	1074	988	
Phosphorus	ppm	ASTM D5185m	995	945	1001	
Zinc	ppm	ASTM D5185m	1180	1194	1196	
Sulfur	ppm	ASTM D5185m	2600	3321	3093	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	2	
Sodium	ppm	ASTM D5185m		4	0	
Potassium	ppm	ASTM D5185m	>20	21	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	12.4	5.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.2	17.4	
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.0	13.2	
Base Number (BN)	mg KOH/g	ASTM D2896		5.4	9.0	



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

Lab Number : 06215341 Unique Number : 11088205 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0112486

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received : 20 Jun 2024 **Tested** : 21 Jun 2024 Diagnosed

: 21 Jun 2024 - Sean Felton

ICSB370 - Alton 4525 North Alby Road Godfrey, IL US 62035 Contact: Chad Ingold c.ingold@illinois-central.com

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (618)466-5400 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)