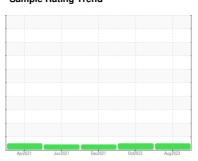


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id **8565** Component

**Diesel Engine** 

PETRO CANADA DURON HP 15W40 (--- GAL)

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

### **Fluid Condition**

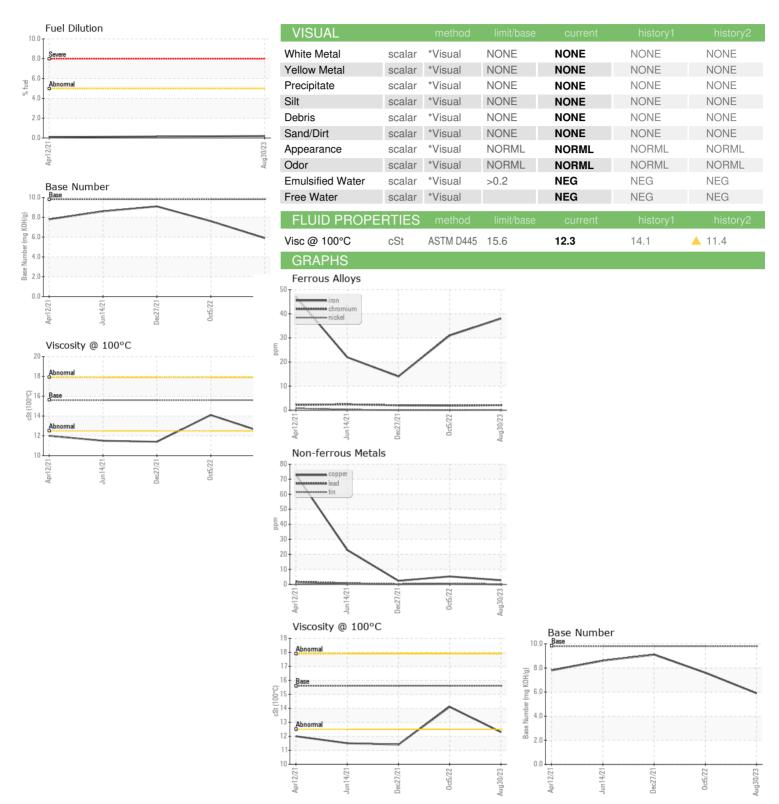
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AL)		Apr2021	Jun2021	Dec2021 Oct2022	Aug2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0088663	PCA0051873	PCA0051720
Sample Date		Client Info		30 Aug 2023	05 Oct 2022	27 Dec 2021
Machine Age	mls	Client Info		66347	283698	0
Oil Age	mls	Client Info		66347	0	164169
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	38	31	14
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	8	6
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	3	5	2
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	21	2
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		62	63	61
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		924	415	962
Calcium	ppm	ASTM D5185m		1155	1906	1110
Phosphorus	ppm	ASTM D5185m		1087	1035	1058
Zinc	ppm	ASTM D5185m		1209	1278	1192
Sulfur	ppm	ASTM D5185m		2594	3451	2394
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	12	8
Sodium	ppm	ASTM D5185m		5	2	1
Potassium	ppm	ASTM D5185m	>20	5	16	13
Fuel	%	ASTM D3524	>5	0.2	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	2.6	1.1	0.7
Nitration	Abs/cm	*ASTM D7624	>20	12.6	11.1	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.4	25.1	19.7
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	20.3	14.6
Base Number (BN)	mg KOH/g	ASTM D2896		5.9	7.6	9.1
	39					

Contact/Location: FRANK DIETZ - MIDFAR



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 05994048 : 10722408

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0088663 Received : 31 Oct 2023 Diagnosed : 03 Nov 2023

Diagnostician : Wes Davis Test Package : FLEET ( Additional Tests: FuelDilution, PercentFuel )

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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