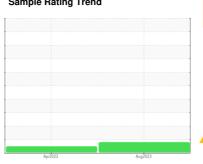


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**WEAR** 



708546

Component **Diesel Engine** 

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

### **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

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

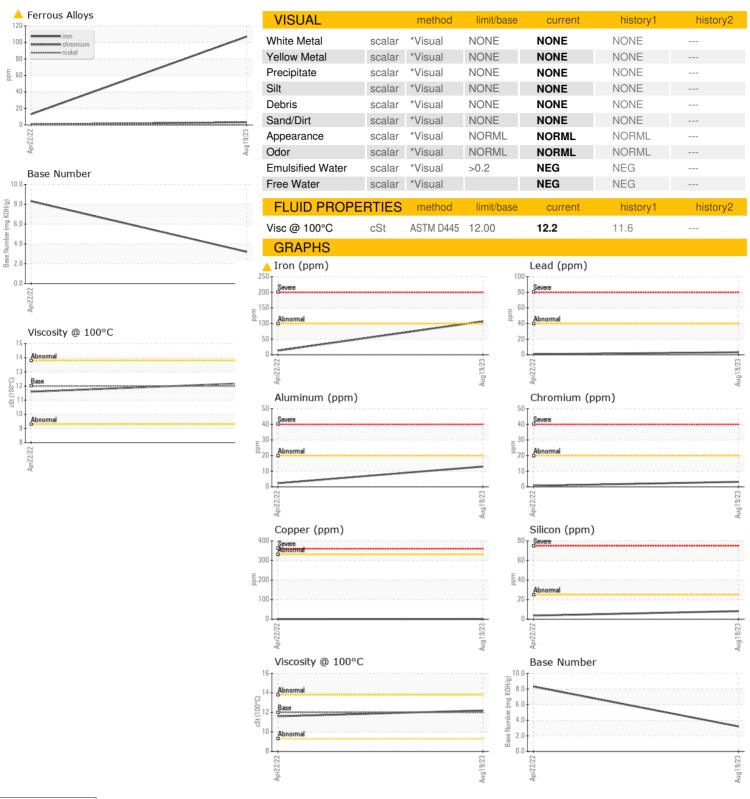
### **Fluid Condition**

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

GAL)			Apr2022	Aug2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0100797	PCA0067681	
Sample Date		Client Info		19 Aug 2023	22 Apr 2022	
Machine Age	mls	Client Info		300903	201446	
Oil Age	mls	Client Info		300903	12000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<u> </u>	13	
Chromium	ppm	ASTM D5185m	>20	3	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		5	0	
Silver	ppm	ASTM D5185m	>3	<1	<1	
Aluminum	ppm	ASTM D5185m	>20	13	2	
Lead	ppm	ASTM D5185m	>40	3	<1	
Copper	ppm		>330	<1	<1	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	5	8	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	59	51	
Manganese	ppm	ASTM D5185m	0	1	<1	
Magnesium	ppm	ASTM D5185m	950	958	852	
Calcium	ppm	ASTM D5185m	1050	1314	1345	
Phosphorus	ppm	ASTM D5185m	995	1072	1026	
Zinc	ppm	ASTM D5185m	1180	1364	1195	
Sulfur	ppm	ASTM D5185m	2600	3235	2795	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	4	
Sodium	ppm	ASTM D5185m		2	1	
Potassium	ppm	ASTM D5185m	>20	19	4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	15.1	8.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	29.1	19.4	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	29.0	15.8	
Base Number (BN)	mg KOH/g	ASTM D2896		3.2	8.3	
(DIV)	9				0.0	



## **OIL ANALYSIS REPORT**







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

: PCA0100797 : 05943322 : 10633934

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

: 06 Sep 2023 : 08 Sep 2023 Diagnostician : Don Baldridge

Test Package : MOB 1 ( Additional Tests: TBN )

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)

**MILLER TRUCK LEASING #118** 

2196 BENNETT ROAD PHILADELPHIA, PA US 19116

Contact: ROSTY VITER rviter@millertransgroup.com

Contact/Location: ROSTY VITER - MILPHINE

T: (215)552-9832 F: (215)552-9892