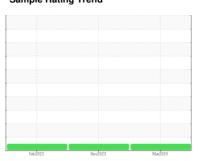


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id **228293** 

Diesel Engine

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

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil

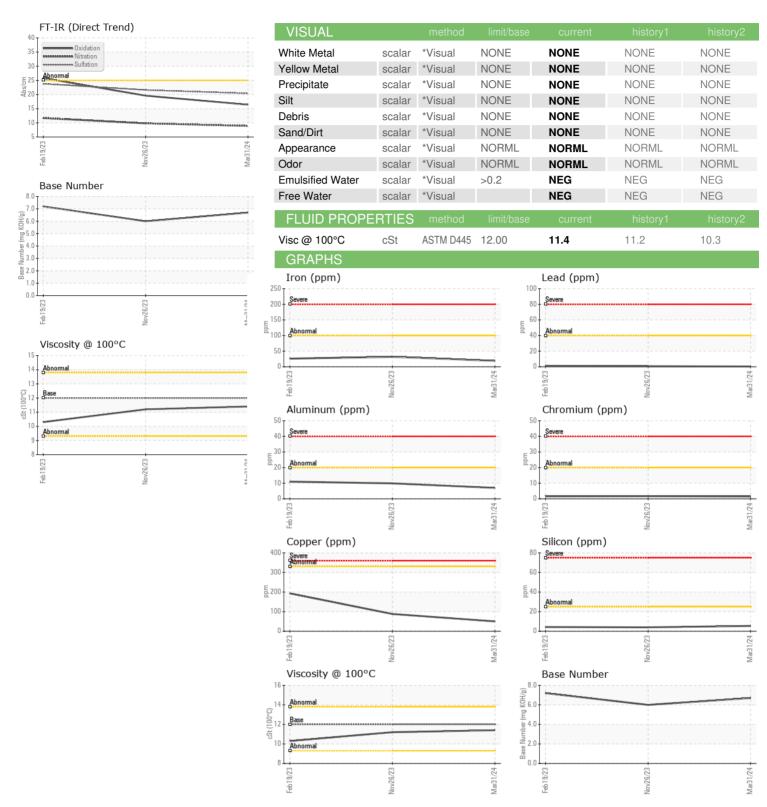
## **Fluid Condition**

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

QTS)		Feb	2023	Nov2023 Mar20	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110685	PCA0097355	PCA0083849
Sample Date		Client Info		31 Mar 2024	26 Nov 2023	19 Feb 2023
Machine Age	mls	Client Info		71811	59994	34368
Oil Age	mls	Client Info		11817	25356	34368
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	ON	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	19	32	26
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		51	15	<1
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	7	10	11
Lead	ppm	ASTM D5185m	>40	<1	<1	1
Copper	ppm	ASTM D5185m	>330	50	88	193
Tin	ppm	ASTM D5185m	>15	3	5	2
Vanadium	ppm	ASTM D5185m		1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	51	8	11
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	24	52	20
Manganese	ppm	ASTM D5185m	0	1	1	3
Magnesium	ppm	ASTM D5185m	950	554	877	256
Calcium	ppm	ASTM D5185m	1050	1542	1417	859
Phosphorus	ppm	ASTM D5185m	995	910	974	367
Zinc	ppm	ASTM D5185m	1180	1156	1216	432
Sulfur	ppm	ASTM D5185m	2600	3217	2579	718
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	4
Sodium	ppm	ASTM D5185m		4	3	3
Potassium	ppm	ASTM D5185m	>20	16	20	28
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	8.9	9.8	11.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	21.6	23.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	19.6	25.8
Base Number (BN)	mg KOH/g	ASTM D2896		6.7	6.0	7.2



## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

Laboratory Lab Number Unique Number : 10965696

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0110685 : 06140888

Received **Tested** 

: 08 Apr 2024 Diagnosed : 10 Apr 2024 - Jonathan Hester

: 08 Apr 2024

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

**MILLER TRUCK LEASING #123** 

**66 KELLER AVENUE** LANCASTER, PA US 17601

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