

## **OIL ANALYSIS REPORT**

Sample Rating Trend



#### Machine Id **110579** Component

Diesel Engine

Fluid 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.

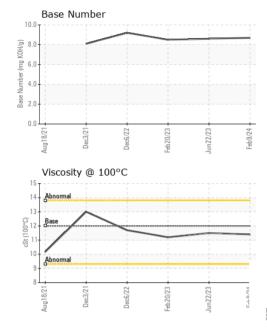
#### Fluid Condition

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

QTS)		Aug2021	Dec2021 Dec2022	Z Feb2023 Jun2023	Feb2024	
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117023	PCA0092345	PCA0092309
Sample Date		Client Info		09 Feb 2024	22 Jun 2023	20 Feb 2023
Machine Age	mls	Client Info		108145	87562	75065
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	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 METAI	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	28	37	22
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	4	3
Lead	ppm	ASTM D5185m	>40	2	2	1
Copper	ppm	ASTM D5185m	>330	1	2	<1
Tin	ppm	ASTM D5185m	>15	<1	1	1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<1	4	10
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	65	67	64
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	1018	925	896
Calcium	ppm	ASTM D5185m	1050	1201	1185	1260
Phosphorus	ppm	ASTM D5185m	995	1132	1060	994
Zinc	ppm	ASTM D5185m	1180	1305	1273	1231
Sulfur	ppm	ASTM D5185m	2600	3236	3091	3382
CONTAMINA		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	5	5
Sodium	ppm	ASTM D5185m	00	2	1	<1
Potassium	ppm	ASTM D5185m		0	1	1
INFRA-RED		method	limit/base		history1	history2
Soot %	%	*ASTM D7844	>3	0.9	1.4	0.8
Nitration	Abs/cm	*ASTM D7624	>20	9.6	12.5	10.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	23.0	19.1
FLUID DEGRA			limit/base		history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.5	19.8	15.1
Base Number (BN)	mg KOH/g	ASTM D2896		8.7	8.6	8.5



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Laboratory

Sample No.

Certificate L2367

Lab Number

Contact/Location: MIKE LONGETTE - MILRUT