

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend



## Machine Id 911009

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (--- LTR)

### 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.

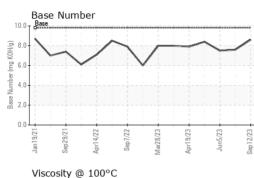
#### Fluid Condition

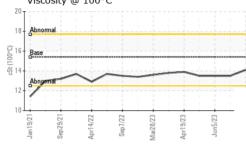
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

R)						
SAMPLE INFOR	ΜΛΤΙΟΝ	Jan2021 Se	limit/base	Current	history1	history2
			mmi/base			
Sample Number		Client Info		GFL0090786	GFL0085137	GFL0085119
Sample Date	bro	Client Info Client Info		12 Sep 2023	10 Aug 2023	05 Jun 2023
Machine Age	hrs	Client Info		8611	8325 61941	7754 61941
Dil Age	hrs			0 N/A	N/A	N/A
Dil Changed Sample Status		Client Info		N/A NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method	20	NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	2	6	4
Chromium	ppm	ASTM D5185m	>20	<u>د</u> د1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Fitanium	ppm	ASTM D5185m	21	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		0	3	0
_ead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m		<1	<1	<1
Fin	ppm		>15	<1	<1	<1
/anadium	ppm	ASTM D5185m	210	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	7	5	8
Barium	ppm	ASTM D5185m	0	<1	0	0
Nolybdenum	ppm	ASTM D5185m	60	62	57	60
Manganese	ppm		0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	1017	931	853
Calcium	ppm	ASTM D5185m	1070	1122	1032	1060
Phosphorus	ppm	ASTM D5185m	1150	1094	998	962
Zinc	ppm	ASTM D5185m	1270	1298	1266	1175
Sulfur	ppm	ASTM D5185m	2060	3842	3588	3127
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	3
Sodium	ppm	ASTM D5185m		4	3	1
Potassium	ppm	ASTM D5185m	>20	<1	4	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.3	7.0	6.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.5	18.7	19.2
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	14.6	15.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.6	7.6	7.5

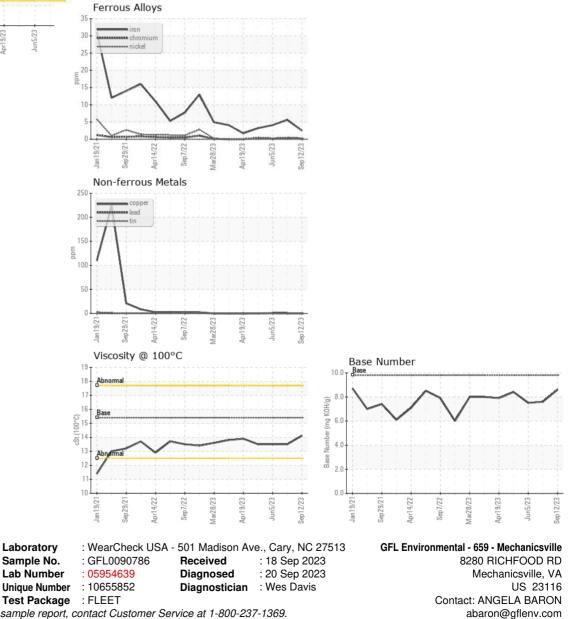


# **OIL ANALYSIS REPORT**





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	13.5	13.5
GRAPHS						





 Certificate 12367
 Test Package
 : FLEET

 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)

F:

T: (804)489-3066