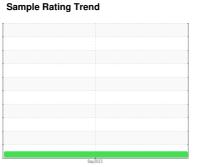


# **OIL ANALYSIS REPORT**



NORMAL



Machine Id **424092** 

Component **Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- 0

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

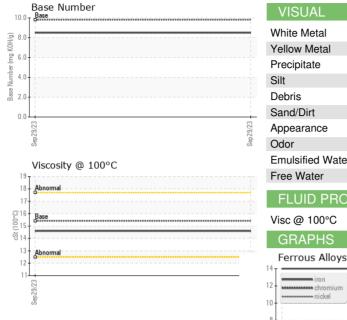
## **Fluid Condition**

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

AL)				Sep2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0087935		
Sample Date		Client Info		29 Sep 2023		
Machine Age	hrs	Client Info		29054		
Oil Age	hrs	Client Info		600		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
-uel		WC Method	>2.0	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	14		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	0		
Fitanium	ppm	ASTM D5185m	77	0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum		ASTM D5185m	>20	<1		
_ead	ppm	ASTM D5185m	>40	1		
	ppm			3		
Copper	ppm	ASTM D5185m		_		
Γin ,	ppm	ASTM D5185m	>15	<1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	59		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	1010		
Calcium	ppm	ASTM D5185m	1070	1085		
Phosphorus	ppm	ASTM D5185m	1150	1075		
Zinc	ppm	ASTM D5185m	1270	1328		
Sulfur	ppm	ASTM D5185m	2060	3244		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7		
Nitration	Abs/cm	*ASTM D7624		9.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.9		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.5		



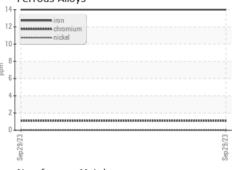
# **OIL ANALYSIS REPORT**

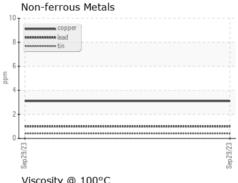


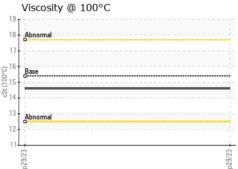
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPE	RTIFS	method	limit/base	current	history1	history2

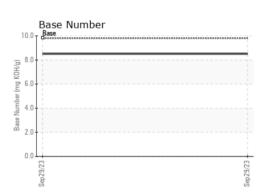
FLUID FNOF		memod			HISTOLAL	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.4	14.6		

## **GRAPHS**











Certificate L2367

Laboratory Sample No. Lab Number Test Package : FLEET

: GFL0087935 : 05967490 Unique Number : 10674041

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

: 03 Oct 2023 : 04 Oct 2023 Diagnostician : Wes Davis

GFL Environmental - 960 - West Central HC JacksonvilleHC 2263 State Hwy 104

Jacksonville, IL US 62656 Contact: David Bradshaw

david.bradshaw@gflenv.com T:

\* - 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: