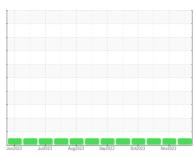


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 913051

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- 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

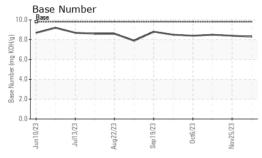
Fluid Condition

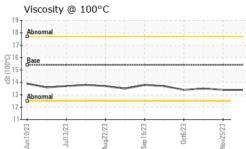
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample Date Client Info 22 Dec 2023 25 Nov 2023 27 On 2023 Machine Age hrs Client Info 2097 1950 155 Oil Age hrs Client Info 1029 882 486 Oil Changed Client Info Changed Not Ch	
Sample Date Client Info 22 Dec 2023 25 Nov 2023 27 On 2023 Machine Age hrs Client Info 2097 1950 155 Oil Age hrs Client Info 1029 882 486 Oil Changed Client Info Changed Not Changd	Changd RMAL history2 1.0 NEG
Machine Age hrs Client Info 2097 1950 155 Oil Age hrs Client Info 1029 882 486 Oil Changed Client Info Changed Not Changd Not Sample Status NORMAL NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 Fuel WC Method >3.0 <1.0 <1.0 < Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG N WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >90 3 3 7 Chromium ppm ASTM D5185m >20 <1 <1 <1	Changd RMAL history2 <1.0 NEG
Oil Age hrs Client Info 1029 882 486 Oil Changed Client Info Changed Not Changd Not Sample Status NORMAL NORMAL NORMAL NORMAL NO CONTAMINATION method limit/base current history1 Fuel WC Method >3.0 <1.0 <1.0 < Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG NEG NEG WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >90 3 3 7 Chromium ppm ASTM D5185m >20 <1 <1	Changd RMAL history2 <1.0 NEG
Oil Changed Sample Status Client Info Changed NORMAL Not Changd NORMAL Not NORMAL CONTAMINATION method limit/base current history1 Fuel WC Method >3.0 <1.0 <1.0 < Water WC Method >0.2 NEG NEG NEG NEG Glycol WC Method NEG NEG NEG NEG NEG NEG WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >90 3 3 7 Chromium ppm ASTM D5185m >20 <1 <1	Changd RMAL history2 <1.0 NEG
Sample Status NORMAL	RMAL history2 <1.0 NEG NEG
CONTAMINATION method limit/base current history1 Fuel WC Method >3.0 <1.0 <1.0 < Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >90 3 3 7 Chromium ppm ASTM D5185m >20 <1 <1 <	history2 <1.0 NEG NEG
Fuel WC Method >3.0 <1.0	:1.0 NEG NEG
Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >90 3 3 7 Chromium ppm ASTM D5185m >20 <1 <1 <	NEG NEG
Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >90 3 3 7 Chromium ppm ASTM D5185m >20 <1 <1 <	NEG
WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >90 3 3 7 Chromium ppm ASTM D5185m >20 <1 <1 <	
Iron ppm ASTM D5185m >90 3 3 7 Chromium ppm ASTM D5185m >20 <1	history2
Chromium ppm ASTM D5185m >20 <1	,
	7
Nickel ppm ASTM D5185m >2 0 0	<1
)
Titanium ppm ASTM D5185m >2 0 0)
Silver ppm ASTM D5185m >2 0 <1	
Aluminum ppm ASTM D5185m >20 5 4)
Lead ppm ASTM D5185m >40 0 0	
	<1
Tin ppm ASTM D5185m >15 2 <1 0	
VanadiumppmASTM D5185m00	
Cadmium ppm ASTM D5185m 0 <1 C)
ADDITIVES method limit/base current history1	history2
Boron ppm ASTM D5185m 0 <1 4	
Barium ppm ASTM D5185m 0 0 0	
7,111	55
Manganese ppm ASTM D5185m 0 <1	
	359
The state of the s	968
Tape and the same	029
	124
	2811
CONTAMINANTS method limit/base current history1	history2
Silicon ppm ASTM D5185m >25 1 2 3	
Sodium ppm ASTM D5185m <1	
	16
INFRA-RED method limit/base current history1	history2
).2
	3.1
	7.9
FLUID DEGRADATION method limit/base current history1	history2
	3.3
Base Number (BN) mg KOH/g ASTM D2896 9.8 8.3 8.4	3.5



OIL ANALYSIS REPORT

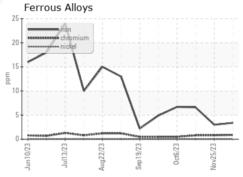




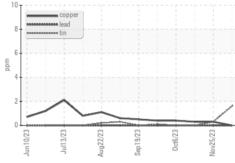
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	13.4	13.5

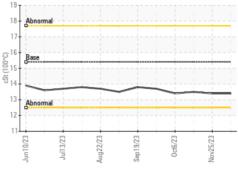
GRAPHS

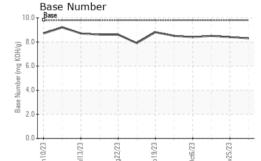
















Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : FLEET

: GFL0097158 : 06046811

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

: 10807419

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 28 Dec 2023 Diagnosed : 28 Dec 2023 Diagnostician : Wes Davis

GFL Environmental - 073 - Warner Robins - Transwaste 155 Story Road

Warner Robins, GA US 31093

Contact: JOSH MALONEY

jmaloney@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: