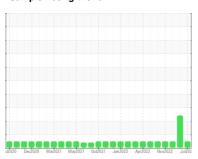


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 910017

Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (12 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

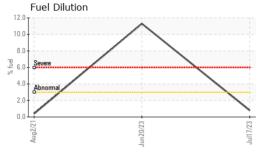
Fluid Condition

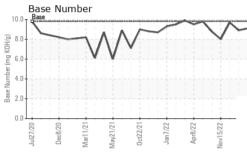
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

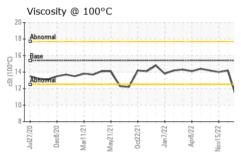
GAL)								
SAMPLE INFORMATION method limit/base current history1	history2							
Sample Number Client Info GFL0069400 GFL0083286 (GFL0052735							
Sample Date Client Info 17 Jul 2023 20 Jun 2023	13 Dec 2022							
	594							
Oil Age hrs Client Info 641 55	558							
	Changed							
	NORMAL							
CONTAMINATION method limit/base current history1	history2							
Glycol WC Method NEG NEG	NEG							
WEAR METALS method limit/base current history1	history2							
lron ppm ASTM D5185m >90 13 18	12							
Chromium ppm ASTM D5185m >20 3 4	<1							
Nickel ppm ASTM D5185m >2 <1 0	0							
Titanium ppm ASTM D5185m >2 <1	0							
Silver ppm ASTM D5185m >2 0 0	0							
Aluminum ppm ASTM D5185m >20 2 5	5							
Lead ppm ASTM D5185m >40 0 0	0							
Copper ppm ASTM D5185m >330 <1	<1							
Tin ppm ASTM D5185m >15 <1 0	0							
Vanadium ppm ASTM D5185m <1 0	0							
Cadmium ppm ASTM D5185m 0 0	0							
	()							
11								
ADDITIVES method limit/base current history1	history2							
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 6 13	history2							
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 6 13 Barium ppm ASTM D5185m 0 1 0	history2 10 0							
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OIL ANALYSIS REPORT



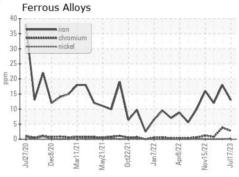


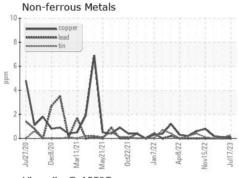


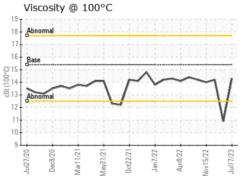
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

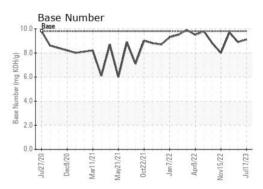
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	<u></u> 10.9	14.2

GRAPHS













Laboratory Sample No. Lab Number Unique Number

: GFL0069400 : 05900653

: 10562009

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jul 2023

Diagnosed : 19 Jul 2023 Diagnostician : Wes Davis

Test Package : FLEET (Additional Tests: PercentFuel) 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)

GFL Environmental - 017 - Durham

148 Stone Park Court Durham, NC US 27703

Contact: William Russel william.russell@gflenv.com

T:

Submitted By: Shane Parks

F: (919)598-1852