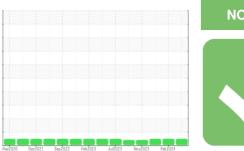


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 920087-205327

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

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

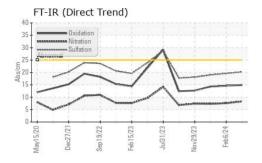
Fluid Condition

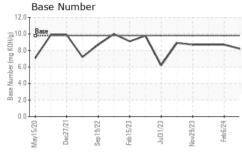
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

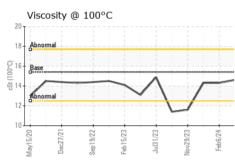
Sample Date Client Info 03 May 2024 06 Feb 2024 02 Machine Age Machine Age hrs Client Info 10799 10204 327 Oil Age hrs Client Info 1 0 0 Oil Changed Client Info Changed	history2 FL0100544 Jan 2024 722 anged DRMAL history2 <1.0 NEG NEG history2 12							
Sample Date Client Info 03 May 2024 06 Feb 2024 02 Machine Age Machine Age hrs Client Info 10799 10204 327 Oil Age hrs Client Info 1 0 0 Oil Changed Client Info Changed	Jan 2024 722 langed DRMAL history2 <1.0 NEG NEG history2 12							
Sample Date Client Info 03 May 2024 06 Feb 2024 02 Machine Age hrs Client Info 10799 10204 327 Oil Age hrs Client Info 1 0 0 Oil Changed Client Info Changed Changed Changed Changed Sample Status NORMAL NORMAL NORMAL NO CONTAMINATION method limit/base current history1 Fuel WC Method >5 <1.0 <1.0 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 >100 29 21 Chromium ppm ASTM D5185m >4 <1 0 -4 Nickel ppm ASTM D5185m >3 0 0 0	ranged DRMAL history2 <1.0 NEG NEG history2 12							
Machine Age hrs Client Info 10799 10204 327 Oil Age hrs Client Info 1 0 0 Oil Changed Client Info Changed Changed <td< th=""><th>history2 <1.0 NEG NEG history2 12</th></td<>	history2 <1.0 NEG NEG history2 12							
Oil Age hrs Client Info 1 0 0 Oil Changed Client Info Changed Changed Changed Changed Sample Status NORMAL NORMAL NORMAL NO CONTAMINATION method limit/base current history1 Fuel WC Method >5 <1.0 <1.0 Water WC Method NEG NEG NEG Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >100 29 21 Chromium ppm ASTM D5185m >20 3 3 3 Nickel ppm ASTM D5185m >4 <1 0 -4 Titanium ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 5 2 2	history2 <1.0 NEG NEG history2 12							
Sample Status NORMAL NEG 1.0 O. O. <t< th=""><th>history2 <1.0 NEG NEG history2 12</th></t<>	history2 <1.0 NEG NEG history2 12							
Sample Status NORMAL NEG	history2 <1.0 NEG NEG history2 12							
Fuel WC Method >5 <1.0	<1.0 NEG NEG history2							
Water WC Method >0.2 NEG NEG I Glycol WC Method NEG NEG I WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >100 29 21 22 Chromium ppm ASTM D5185m >20 3 3 3 Nickel ppm ASTM D5185m >4 <1 0 -4 Titanium ppm ASTM D5185m <1 0 0 0 Silver ppm ASTM D5185m >20 5 2 2	NEG NEG history2							
Glycol WC Method NEG NEG WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >100 29 21 Chromium ppm ASTM D5185m >20 3 3 Nickel ppm ASTM D5185m >4 <1 0 -4 Titanium ppm ASTM D5185m <1 0 -6 Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 5 2 2	NEG history2 12							
WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >100 29 21 Chromium ppm ASTM D5185m >20 3 3 Nickel ppm ASTM D5185m >4 <1 0 Titanium ppm ASTM D5185m <1 0 Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 5 2 2	history2							
Iron ppm ASTM D5185m >100 29 21 Chromium ppm ASTM D5185m >20 3 3 - Nickel ppm ASTM D5185m >4 <1	12							
Chromium ppm ASTM D5185m >20 3 3 3 Nickel ppm ASTM D5185m >4 <1 0 4 Titanium ppm ASTM D5185m <1 0 4 Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 5 2 2								
Nickel ppm ASTM D5185m >4 <1	-1							
Titanium ppm ASTM D5185m <1	<u> </u>							
Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 5 2 2	<1							
Aluminum ppm ASTM D5185m >20 5 2	<1							
	0							
lead ppm ASTM D5185m >40 <1 0	2							
P.P.	<1							
	2							
11	<1							
	0							
Cadmium ppm ASTM D5185m <1	<1							
ADDITIVES method limit/base current history1	history2							
-	<1							
	8							
, , , , , , , , , , , , , , , , , , , ,	63							
3. 3.	<1							
	948							
	1108							
The state of the s	947							
- 11	1199							
	3113							
CONTAMINANTS method limit/base current history1	history2							
PP 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4							
	6							
''	20							
INFRA-RED method limit/base current history1	history2							
	0.6							
	7.3							
	19.0							
FLUID DEGRADATION method limit/base current history1 history2								
Oxidation Abs/.1mm *ASTM D7414 >25 14.9 14.6	14.3							
Base Number (BN) mg KOH/g ASTM D2896 9.8 8.2 8.7	8.7							



OIL ANALYSIS REPORT



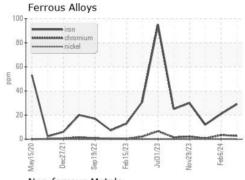


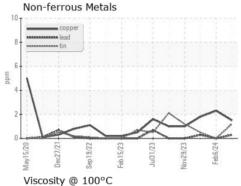


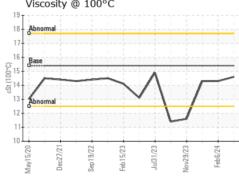
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

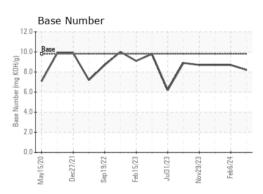
FLUID PROP	ERITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	14.6	14.3	14.3

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0117801 Lab Number : 06176624 Unique Number : 11022677

Test Package : FLEET

Received : 10 May 2024 **Tested** : 13 May 2024 Diagnosed

: 13 May 2024 - Wes Davis

GFL Environmental - 865 - East Mount Hauling 7213 East Mount Houston Road

Houston, TX US 77050

Contact: Saul Castillo To discuss this sample report, contact Customer Service at 1-800-237-1369. saul.castillo@gflenv.com

* - 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)

Report Id: GFL865 [WUSCAR] 06176624 (Generated: 05/13/2024 17:02:23) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

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