

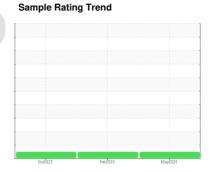
OIL ANALYSIS REPORT



(BD56781) 714050 Component

Diesel Engine

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

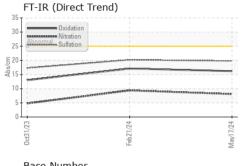
Fluid Condition

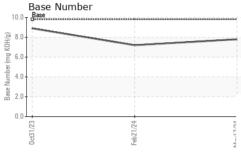
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

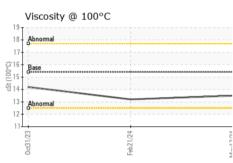
Sample Number	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Date		7111011		minu bacc		•	
Machine Age hrs Client Info 521	·						
Oil Age hrs Client Info 521 521 521 Oil Changed Client Info N/A Not Changed		hre			•		
Oil Changed Sample Status							
NORMAL NORMAL NORMAL		1110			-		
CONTAMINATION method limit/base current history1 history2 Fuel WC Method >3.0 <1.0			Olioni iilio			Ŭ	_
Fuel		N	method	limit/base			
Water WC Method >0.2 NEG NEG NEG Glycol WC Method Imit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >90 7 31 8 Chromium ppm ASTM D5185m >20 0 <1							
WEAR METALS							
WEAR METALS				70.L	-		
Iron			method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m ≥20 0 <1 <1 Nickel ppm ASTM D5185m >2 0 0 0 Titanium ppm ASTM D5185m >2 0 <1							
Nickel	- 1						
Titanium ppm ASTM D5185m >2 0 <1 0 Silver ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >20 2 4 2 Lead ppm ASTM D5185m >40 0 0 <1 Copper ppm ASTM D5185m >330 0 2 2 2 Tin ppm ASTM D5185m 15 <1 <1 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 <1 1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 <1 2 6 12 Barium ppm ASTM D5185m 0 0 <1 7 1 <1 </td <td></td> <td></td> <td></td> <td></td> <th></th> <td></td> <td></td>							
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Aluminum							
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FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.2 17.1 13.0	Nitration	Abs/cm	*ASTM D7624	>20	8.1	9.4	4.8
Oxidation Abs/.1mm *ASTM D7414 >25 16.2 17.1 13.0	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	20.2	17.3
	FLUID DEGRAD	NOITA	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 9.8	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	17.1	13.0
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.8	7.2	8.9

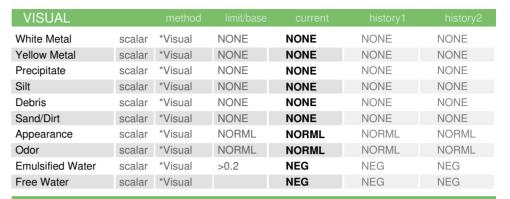


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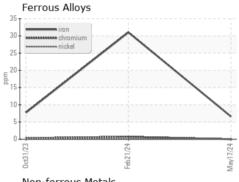


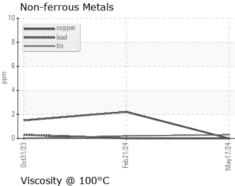


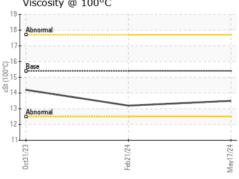


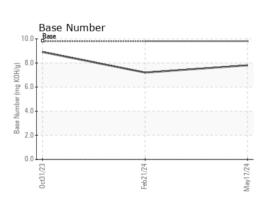
L LOID PROPI	EHILO	method			riistory i	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.2	14.2

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06188929 Unique Number : 11045681

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0100994

Received : 23 May 2024 **Tested**

: 24 May 2024 Diagnosed

: 24 May 2024 - Wes Davis

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

mwomble@gflenv.com T: (586)825-9514

GFL Environmental - 455 - Flint

 st - 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)

2051 W. Bristol Rd

Flint Township, MI

US 48507