

OIL ANALYSIS REPORT

WEAR

history2



759**M** Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (36 GAL)





Recommendation

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

Cylinder, crank, or cam shaft wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

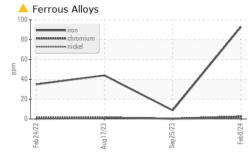
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

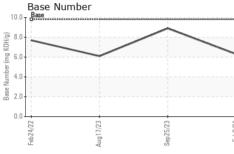
Sampl	e Rating Trend	d	
Feb 2022	Aug2023	Sep2023	Feb2024
method	limit/base	current	histo

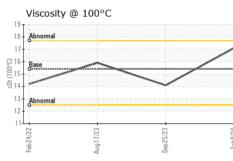
Sample Number Client Info GFL0110064 GFL0084949 GFL0088 Sample Date Client Info 08 Feb 2024 25 Sep 2023 17 Aug 2 Machine Age hrs Client Info 18945 17954 17618 Oil Age hrs Client Info 991 17954 17618 Oil Changed Client Info Not Changd Changed Changed	2023					
Machine Age hrs Client Info 18945 17954 17618 Oil Age hrs Client Info 991 17954 17618 Oil Changed Client Info Not Changed Changed Changed						
Oil AgehrsClient Info9911795417618Oil ChangedClient InfoNot ChangedChangedChanged						
Oil Changed Client Info Not Changed Changed Changed						
	d					
Sample Status ABNORMAL ABNORMAL NORMA	L					
CONTAMINATION method limit/base current history1 history1	ory2					
Fuel WC Method >3.0 <1.0 <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 history2						
Iron ppm ASTM D5185m >75 ▲ 93 9 44						
Chromium ppm ASTM D5185m >5 2 <1						
Nickel ppm ASTM D5185m >4 <1 0 <1						
Titanium ppm ASTM D5185m >2 0 0 <1						
Silver ppm ASTM D5185m >2 0 0 0						
Aluminum ppm ASTM D5185m >15 14 2 10						
Lead ppm ASTM D5185m >25 28 <1 11						
Copper ppm ASTM D5185m >100 7 4 3						
Tin ppm ASTM D5185m >4 3 <1 1						
Antimony ppm ASTM D5185m						
Vanadium ppm ASTM D5185m 0 0 <1						
Cadmium ppm ASTM D5185m 0 0 0						
155 150 150	_					
ADDITIVES method limit/base current history1 history1	ory2					
ADDITIVES method limit/base current history1 history Boron ppm ASTM D5185m 0 8 10 48	ory2					
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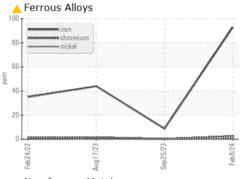




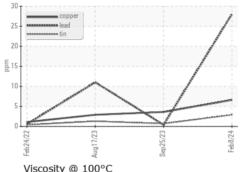
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

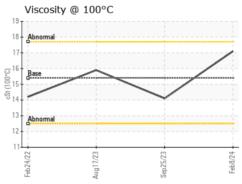
FLUID PROPE	ERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	17.1	14.1	15.9

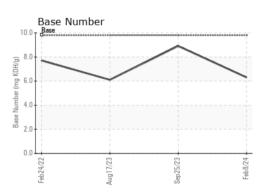
GRAPHS













Laboratory Sample No.

: GFL0110064 Lab Number : 06085837 Unique Number : 10873282

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Feb 2024 **Tested**

: 13 Feb 2024 Diagnosed : 13 Feb 2024 - Don Baldridge

GFL Environmental - 468 - Dearborn

3051 Schaefer Rd Dearborn, MI US 48126 Contact:

Test Package : FLEET Certificate L2367 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)

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