

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 925025

Component
Diesel Engine
Fluid

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

Sample Number Client Info GFL0104553 GFL0092618 GFL0 Sample Date Client Info 14 Feb 2024 29 Nov 2023 25 Au Machine Age hrs Client Info 22260 21846 21136 Oil Age hrs Client Info 491 710 607 Oil Changed Client Info 491 710 607 Sample Status Client Info Changed Not Changed Changed Sample Status Client Info Changed Not Changed Changed Fuel WC Method >3.0 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >120 25 35 8 Chromium ppm ASTM D5185m >20 <1 <1 0 Nickel ppm ASTM D5185m >20 <11 7 4 Lead ppm ASTM D5185m >20 111 7 <th></th>	
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CONTAMINANTS method limit/base current history1 h Silicon ppm ASTM D5185m >25 6 7 5)4
Silicon ppm ASTM D5185m >25 6 7 5	13
	istory2
Sodium ppm ASTM D5185m 0 3 4	
Potassium ppm ASTM D5185m >20 8 6 <1	
INFRA-RED method limit/base current history1 h	istory2
Soot % % *ASTM D7844 >4 0.6 1.6 0.4	
Nitration Abs/cm *ASTM D7624 >20 8.4 10.1 6.5	
Sulfation Abs/.1mm *ASTM D7415 >30 19.6 22.7 18.	8
FLUID DEGRADATION method limit/base current history1 h	istory2
Oxidation Abs/.1mm *ASTM D7414 >25 15.5 18.2 14.	5
Base Number (BN) mg KOH/g ASTM D2896 9.8 8.0 7.0 8.1	

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

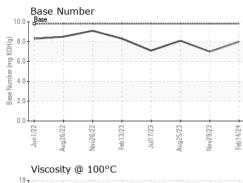
There is no indication of any contamination in the oil.

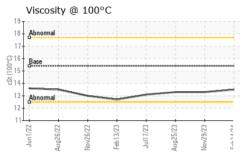
Fluid Condition

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

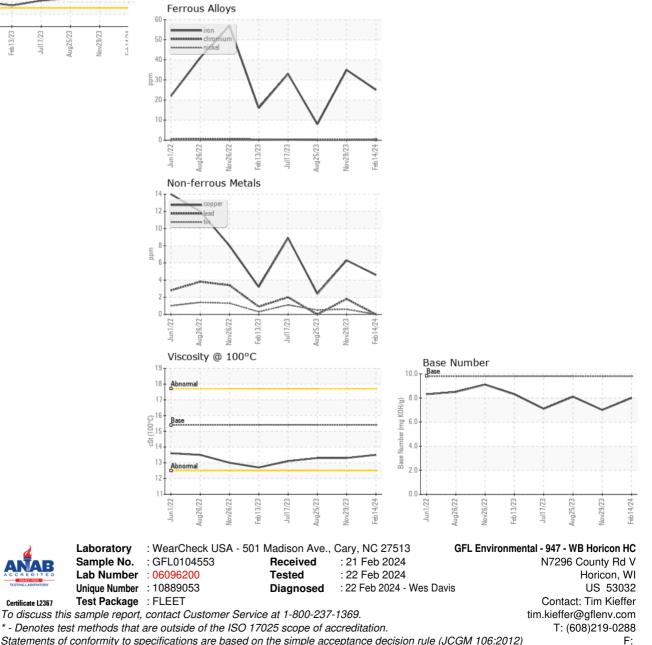


OIL ANALYSIS REPORT





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	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.3	13.3
GRAPHS						



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)