

# **OIL ANALYSIS REPORT**

Sample Rating Trend





Area (L872604) CAPLAN #819009

Front Diesel Engine

PETRO CANADA DURON SHP 10W30 (20 LTR)

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history
Sample Number		Client Info		GFL0113523		
Sample Date		Client Info		14 May 2024		
Machine Age	hrs	Client Info		7600		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history1	history
Iron	ppm	ASTM D5185(m)	>75	3		
Chromium	ppm	ASTM D5185(m)	>5	0		
Nickel	ppm	ASTM D5185(m)	>4	0		
Titanium	ppm	ASTM D5185(m)	>2	0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>15	<1		
Lead	ppm	ASTM D5185(m)	>25	0		
Copper	ppm	ASTM D5185(m)		<1		
Tin	ppm	ASTM D5185(m)	>4	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history
Boron	ppm	ASTM D5185(m)	2	11		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	50	56		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	950	876		
Calcium	ppm	ASTM D5185(m)	1050	1079		
Phosphorus	ppm	ASTM D5185(m)	995	977		
Zinc	ppm	ASTM D5185(m)	1180	1133		
Sulfur	ppm	ASTM D5185(m)	2600	2577		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINA	NTS	method	limit/base	current	history1	history
Silicon	ppm	ASTM D5185(m)	>25	3		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
INFRA-RED		method	limit/base	current	history1	history
Soot %	%	ASTM D7844*	>6	0		
Nitration	Abs/cm	ASTM D7624*	>20	4.9		
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.1		

### DIAGNOSIS Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

#### Wear

Les taux d'usure de tous les composants sont normaux.

#### Contamination

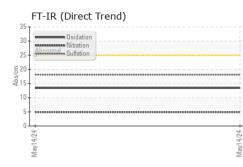
Il n`y a aucun indice de contamination dans l'huile.

#### Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

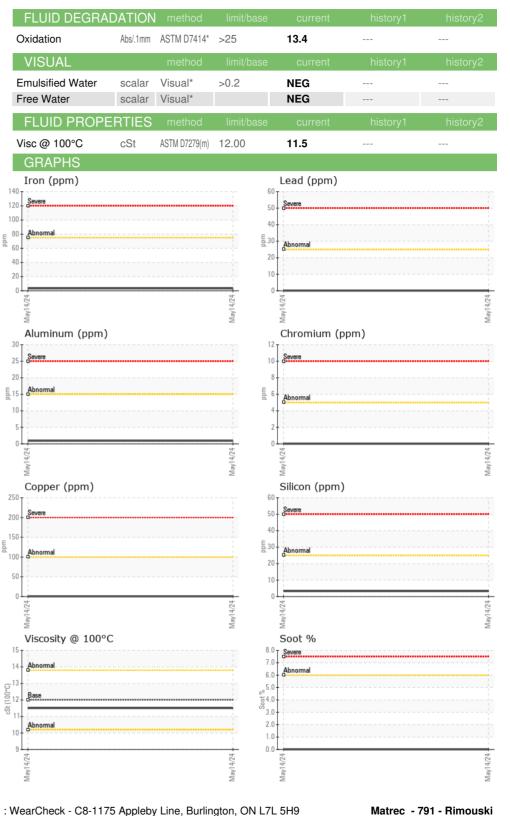


## **OIL ANALYSIS REPORT**



### Viscosity @ 100°C







 Sample No.
 : GFL0113523
 Received
 : 10 Jun 2024

 Iso 17025:2017
 Lab Number
 : 02640659
 Tested
 : 10 Jun 2024

 Accredited Laboratory
 Unique Number
 : 5789821
 Diagnosed
 : 10 Jun 2024 - Wes Davis

 To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Tested at external lab
 : 10 Jun 2024 - Wes Davis

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Matrec - 791 - Rimouski 350 Avenue de L`Industrie Rimouski, QC CA G5M 1W4 Contact: Vincent Maltais info@foretsstar.com T: 4(18 )388-2626 F: (418)388-2038

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CALA

Laboratory

Submitted By: Vincent Maltais Page 2 of 2