

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 825M Component Diesel Engine Fluid

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

DIAGNOSIS Recommendation

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

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. 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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0105866	GFL0068707	GFL0055098
Sample Date		Client Info		20 Dec 2023	09 Feb 2023	25 Jul 2022
Machine Age	hrs	Client Info		16387	15936	15572
Oil Age	hrs	Client Info		15936	0	14948
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	SEVERE	SEVERE
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	0	26	11
Chromium	ppm	ASTM D5185m	>5	0	1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		<1	4	3
Lead	ppm	ASTM D5185m	>30	0	<1	<1
Copper	ppm		>150	<1	1	<1
Tin	ppm	ASTM D5185m	>5	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	0	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	44	53
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	949	700	785
Calcium	ppm	ASTM D5185m	1070	1018	817	972
Phosphorus	ppm	ASTM D5185m	1150	1122	753	909
Zinc	ppm	ASTM D5185m	1270	1277	962	1086
Sulfur	ppm	ASTM D5185m	2060	3247	2588	3201
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5	3	3
Sodium	ppm	ASTM D5185m		2	3	<1
Potassium	ppm	ASTM D5185m	>20	0	4	3
Fuel	%	ASTM D3524		0.3	• 18.0	10.8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0	0.9	0.7
Nitration	Abs/cm	*ASTM D7624		4.2	12.5	8.9
		*AOTM D744F	>30	171	21.3	21.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.1	21.5	21.0
Sulfation		method	limit/base	current	history1	history2



cSt (100°C)

10

6

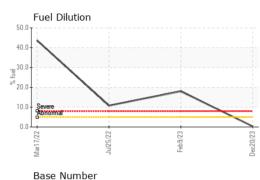
Anr9/71

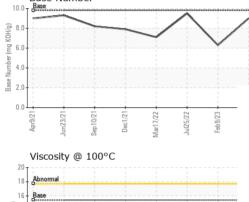
Abnorma

Sep10/21

Dec1/21

OIL ANALYSIS REPORT





Jul25/22

Mar17/22

Feb9/23 -

18

16 Ba

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Laboratory

Sample No.

Lab Number

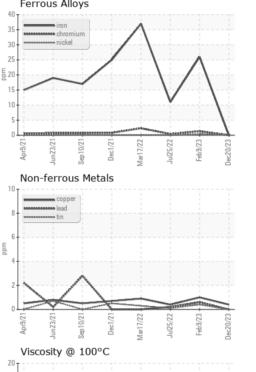
Anr9/71

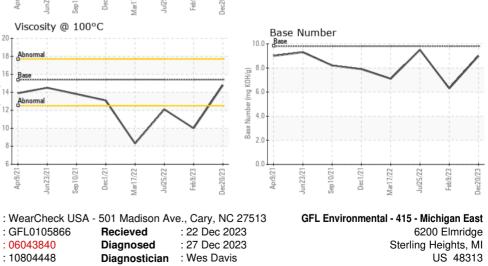
: GFL0105866

: 06043840

cSt (100°C)

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	14.8	▲ 10.0	▲ 12.1
GRAPHS						
Ferrous Allovs						





Unique Number : 10804448 Test Package : FLEET (Additional Tests: PercentFuel) 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)

Sep10/21

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