

(DXF671) Machine Id

10628

Diesel Engine

PETRO CANADA DURON SHP 15W40 (28 QTS)

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No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

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All component wear rates are normal.

CONTAMINATION

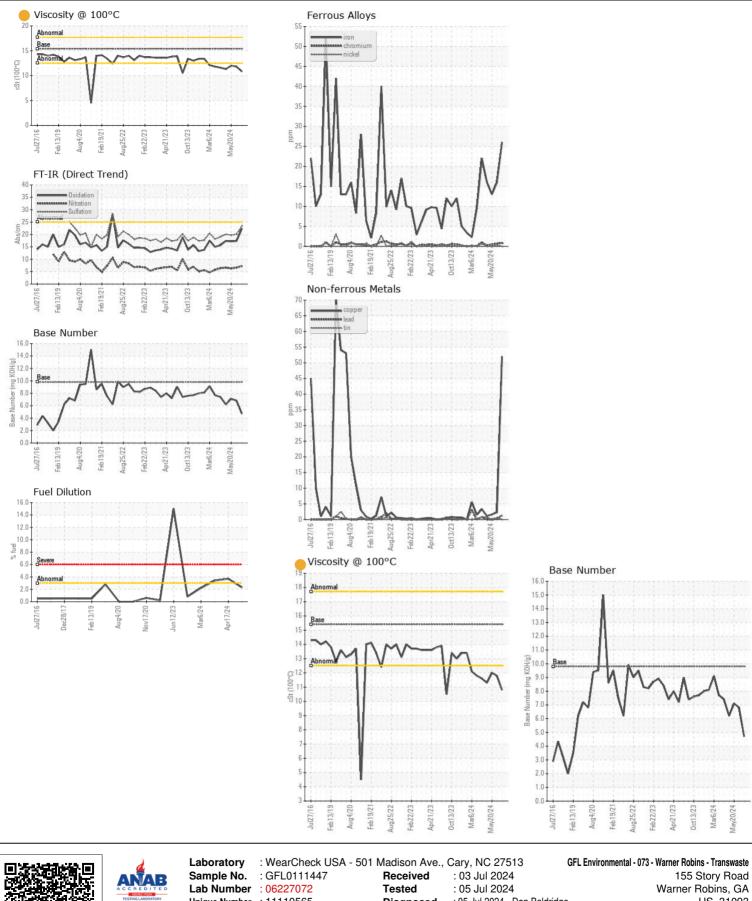
There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0111447	GFL0111477	GFL0111503
Sample Date		Client Info		28 Jun 2024	05 Jun 2024	20 May 2024
Machine Age	hrs	Client Info		21436	21197	21043
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ATTENTION
Iron	ppm	ASTM D5185m	>75	26	16	13
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>15	3	2	2
Lead	ppm	ASTM D5185m	>25	1	<1	0
Copper	ppm	ASTM D5185m	>100	52	2	2
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	8	7	7
Potassium	ppm	ASTM D5185m	>20	1	1	2
Fuel	%	ASTM D3524	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.8	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	7.2	6.6	6.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	20.1	19.7
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
Sodium	ppm	ASTM D5185m		4	3	8
Boron	ppm	ASTM D5185m	0	13	10	9
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	38	47	49
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	599	729	822
Calcium	ppm	ASTM D5185m	1070	713	847	947
Phosphorus	ppm	ASTM D5185m	1150	694	801	932
Zinc	ppm	ASTM D5185m	1270	795	968	1105
Sulfur	ppm	ASTM D5185m	2060	2048	2875	3361
Oxidation	Abs/.1mm	*ASTM D7414	>25	2040	17.4	17.2
Base Number (BN)		ASTM D2896	9.8	4.7	6.8	7.1
Visc @ 100°C	cSt	ASTM D2000	15.4	10.8	11.8	12.0
	501		10.7	- 10.0	- 11.0	12.0

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION ATTENTION



 Unique Number
 : 11110565
 Diagnosed
 : 05 Jul 2024 - Don Baldridge

 Certificate 12367
 Test Package
 : FLEET (Additional Tests: FuelDilution, PercentFuel)

 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)

Varner Robins, GA US 31093 Contact: Mike Taft T:

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Submitted By: JOSH MALONEY Page 2 of 2