

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area (P633834) 3755C Component Natural Gas Engine Fluid

PETRO CANADA DURON GEO LD 15W40 (30 QTS)

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.

	history2
Sample Date Client Info 03 Jul 2024 24 Apr 2024 03	L0101755
	Apr 2024
Machine Age mls Client Info 153000 152600 152	2000
Oil Age mls Client Info 600 600 600	0
Oil Changed Client Info Changed Changed Ch	anged
Sample Status NORMAL NORMAL AB	NORMAL
CONTAMINATION method limit/base current history1	history2
Water WC Method >0.1 NEG NEG	NEG
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185m >50 33 8	31
Chromium ppm ASTM D5185m >4 5 1	5
Nickel ppm ASTM D5185m >2 <1	1
Titanium ppm ASTM D5185m <1 0	<1
Silver ppm ASTM D5185m >3 0 0	0
Aluminum ppm ASTM D5185m >9 9 <1	9
Lead ppm ASTM D5185m >30 6 1	3
Copper ppm ASTM D5185m >35 1 0	1
Tin ppm ASTM D5185m >4 <1 0	1
Vanadium ppm ASTM D5185m <1 0	<1
Cadmium ppm ASTM D5185m 0 0	<1
ADDITIVES method limit/base current history1	history2
Boron ppm ASTM D5185m 50 5 37	5
Barium ppm ASTM D5185m 5 0 0	0
Molybdenum ppm ASTM D5185m 50 56 47	56
Manganese ppm ASTM D5185m 0 <1	2
Magnesium ppm ASTM D5185m 560 572 561	577
	1709
Calcium ppm ASTM D5185m 1510 1660 1538	704
	731
Phosphorus ppm ASTM D5185m 780 872 828	996
Phosphorus ppm ASTM D5185m 780 872 828 Zinc ppm ASTM D5185m 870 1017 956	
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Phosphorus ppm ASTM D5185m 780 872 828 Zinc ppm ASTM D5185m 870 1017 956 Sulfur ppm ASTM D5185m 2040 2390 2892 CONTAMINANTS method limit/base current history1	996 2604
Phosphorus ppm ASTM D5185m 780 872 828 Zinc ppm ASTM D5185m 870 1017 956 Sulfur ppm ASTM D5185m 2040 2390 2892 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m >+100 8 4	996 2604 history2
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Phosphorus ppm ASTM D5185m 780 872 828 Zinc ppm ASTM D5185m 870 1017 956 956 Sulfur ppm ASTM D5185m 2040 2390 2892 2892 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m >+100 8 4 Sodium ppm ASTM D5185m >+100 8 4 Potassium ppm ASTM D5185m >20 39 9 ▲ INFRA-RED method limit/base current history1 Soot % % *ASTM D7844 0 0 Nitration Abs/cm *ASTM D7624 20 12.6 6.8	996 2604 history2 9 16 56 history2 0
Phosphorus ppm ASTM D5185m 780 872 828 Zinc ppm ASTM D5185m 870 1017 956 956 Sulfur ppm ASTM D5185m 2040 2390 2892 2892 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m >+100 8 4 Sodium ppm ASTM D5185m >+100 8 4 Potassium ppm ASTM D5185m >20 39 9 ▲ INFRA-RED method limit/base current history1 Soot % % *ASTM D7844 0 0 Nitration Abs/cm *ASTM D7624 20 12.6 6.8	996 2604 history2 9 16 56 history2 0 12.2
Phosphorus ppm ASTM D5185m 780 872 828 Zinc ppm ASTM D5185m 870 1017 956 Sulfur ppm ASTM D5185m 2040 2390 2892 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m >+100 8 4 Sodium ppm ASTM D5185m >+100 8 4 Sodium ppm ASTM D5185m >+20 39 9 ▲ INFRA-RED method limit/base current history1 Soot % % *ASTM D7844 0 0 Nitration Abs/cm *ASTM D7624 >20 12.6 6.8 Sulfation Abs/.1mm *ASTM D7415 >30 26.6 19.5 FLUID DEGRADATION method limit/base current history1	996 2604 history2 9 16 56 history2 0 12.2 24.6

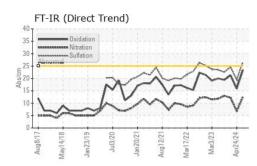


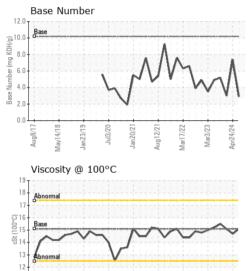
Aug8/17.

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May14/18

OIL ANALYSIS REPORT





Mar17/22 Mar3/23 Apr24/24

Aug 12/21

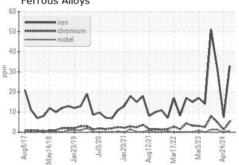
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	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	15.1	15.1	14.7	15.1
GRAPHS						

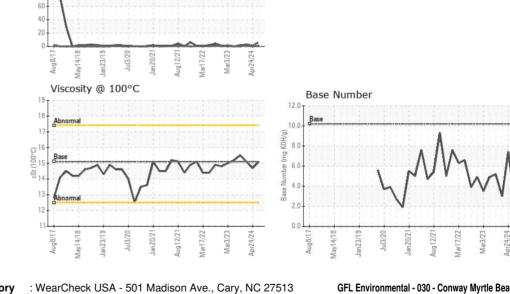
Ferrous Alloys

Non-ferrous Metals

180

160 -140 -120 -100 -80 -





Laboratory GFL Environmental - 030 - Conway Myrtle Beach Sample No. : GFL0125697 Received : 08 Jul 2024 3010 HWY 378 Lab Number : 06229991 Tested : 09 Jul 2024 Conway, SC US 29527 Unique Number : 11113484 Diagnosed : 09 Jul 2024 - Don Baldridge Test Package : FLEET Contact: ARCILIO RUEZ Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. aruiz@gflenv.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: GFL030 [WUSCAR] 06229991 (Generated: 07/09/2024 18:59:22) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

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