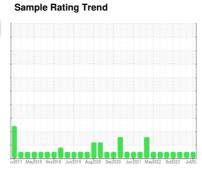


OIL ANALYSIS REPORT

(P635773) 3767C

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (30 QTS)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

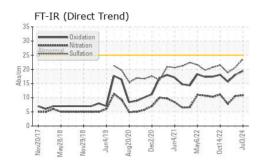
Fluid Condition

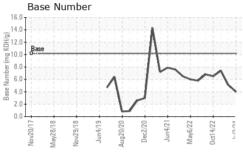
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

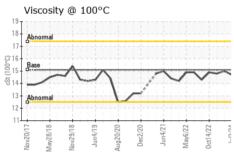
SAMPLE INFORMATION method imit/base current history1 history2	00 (10)			•			
Sample Date Client Info 03 Jul 2024 20 Nov 2023 21 Sep 2023 Machine Age hrs Client Info 15279 14887 14052 Oil Age hrs Client Info 600 600 600 Oil Changed Client Info Changed Changed N/A Sample Status Client Info Changed Changed N/A CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limil/base current history1 history2 Iron ppm ASTM DS185m >50 10 6 9 Chromium ppm ASTM DS185m >50 10 6 9 Iron ppm ASTM DS185m >3 <1	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 03 Jul 2024 20 Nov 2023 21 Sep 2023 Machine Age hrs Client Info 15279 14887 14052 Oil Age hrs Client Info 600 600 600 Oil Changed Client Info Changed Changed N/A Sample Status Client Info Changed Changed N/A CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limil/base current history1 history2 Iron ppm ASTM DS185m >50 10 6 9 Chromium ppm ASTM DS185m >50 10 6 9 Iron ppm ASTM DS185m >3 <1	Sample Number		Client Info		GFL0125696	GFL0090065	GFL0074975
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Oil Changed Sample Status Client Info Changed NORMAL NORMAL <th< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>15279</th><th>14687</th><th></th></th<>	Machine Age	hrs	Client Info		15279	14687	
Oil Changed Sample Status Client Info Changed NORMAL NORMAL <th< th=""><th>Oil Age</th><th>hrs</th><th>Client Info</th><th></th><th>600</th><th>600</th><th>600</th></th<>	Oil Age	hrs	Client Info		600	600	600
NORMAL NORMAL NORMAL NORMAL	-		Client Info			Changed	N/A
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ADDITIVES							
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Manganese ppm ASTM D5185m 0 0 <1							
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Potassium ppm ASTM D5185m >20 38 0 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0 0 Nitration Abs/cm *ASTM D7624 >20 10.8 10.6 7.8 Sulfation Abs/.1mm *ASTM D7415 >30 23.6 20.7 18.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 19.4 18.1 15.6		ppm		>+100			
INFRA-RED		ppm	ASTM D5185m		12	6	
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Nitration Abs/cm *ASTM D7624 >20 10.8 10.6 7.8 Sulfation Abs/.1mm *ASTM D7415 >30 23.6 20.7 18.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 19.4 18.1 15.6	INFRA-RED		method	limit/base	current	history1	history2
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FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 19.4 18.1 15.6	Nitration	Abs/cm	*ASTM D7624	>20	10.8	10.6	7.8
Oxidation Abs/.1mm *ASTM D7414 >25 19.4 18.1 15.6	Culfatian	Abs/.1mm	*ASTM D7415	>30	23.6	20.7	18.8
	Sulfation	7100/1111111					
Base Number (BN) mg KOH/g ASTM D2896 10.2 4.0 5.1 7.4			method	limit/base		history1	history2
	FLUID DEGRA	NOITAC			current	•	



OIL ANALYSIS REPORT







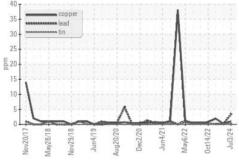
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

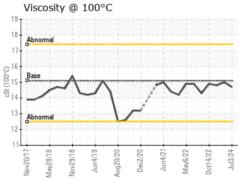
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	15.0	14.8

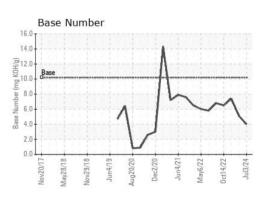
GRAPHS

Ferrous Alloys 20 E 15

Non-ferrous Metals











Certificate 12367

Report Id: GFL030 [WUSCAR] 06229968 (Generated: 07/09/2024 23:48:39) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0125696 Lab Number : 06229968 Unique Number : 11113461

Test Package : FLEET

Received : 08 Jul 2024 **Tested** Diagnosed

: 09 Jul 2024 : 09 Jul 2024 - Don Baldridge

GFL Environmental - 030 - Conway Myrtle Beach 3010 HWY 378 Conway, SC US 29527

Contact: ARCILIO RUEZ aruiz@gflenv.com

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)

Submitted By: TECHNICIAN ACCOUNT

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