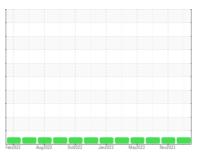


OIL ANALYSIS REPORT

(BC95433) {UNASSIGNED} 912047

Component **Diesel Engine**

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



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Sample)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

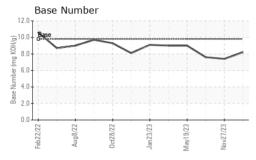
Fluid Condition

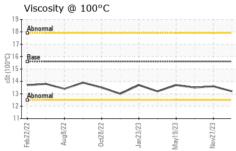
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Feb2022	AUGZUZZ UCIZUZZ	Jan2023 May2023 No	v2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0115446	GFL0100054	GFL0062206	
Sample Date		Client Info		29 Feb 2024	27 Nov 2023	06 Jul 2023	
Machine Age	hrs	Client Info		4083	5079	4158	
Oil Age	hrs	Client Info		500	241	587	
Oil Changed		Client Info		Not Changd	Not Changd	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATION	ON	method	limit/base	current	history1	history2	
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>90	6	17	19	
	ppm	ASTM D5185m	>20	<1	<1	<1	
	ppm	ASTM D5185m	>2	0	0	0	
	ppm	ASTM D5185m	>2	0	0	0	
	ppm	ASTM D5185m	>2	0	0	0	
	ppm	ASTM D5185m	>20	2	6	5	
	ppm	ASTM D5185m	>40	0	0	0	
	ppm	ASTM D5185m	>330	<1	0	<1	
		ASTM D5185m	>15	0	0	0	
Vanadium	ppm	ASTM D5185m	>10	<1	0	0	
	ppm						
	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m		4	6	4	
	ppm	ASTM D5185m		0	0	0	
•	ppm	ASTM D5185m		63	62	59	
	ppm	ASTM D5185m		0	0	<1	
Magnesium	ppm	ASTM D5185m		917	1056	864	
Calcium	ppm	ASTM D5185m		1093	1319	1039	
Phosphorus	ppm	ASTM D5185m		935	1193	980	
Zinc	ppm	ASTM D5185m		1161	1548	1135	
Sulfur	ppm	ASTM D5185m		2977	3557	2936	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	2	3	4	
Sodium	ppm	ASTM D5185m		2	1	<1	
Potassium	ppm	ASTM D5185m	>20	1	18	11	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.2	0.4	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	6.3	8.9	8.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.2	20.1	20.3	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	16.5	16.8	
	mg KOH/g	ASTM D2896		8.2	7.4	7.6	
= 3.00 · (B) (B)	99		3.0	J			



OIL ANALYSIS REPORT

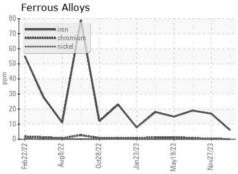


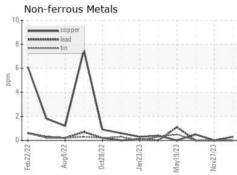


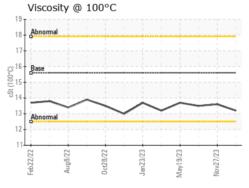
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

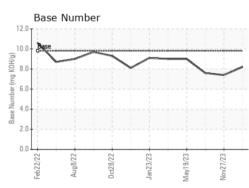
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.6	13.2	13.6	13.5

GRAPHS













Certificate L2367

Laboratory Sample No.

: GFL0115446 Lab Number : 06111258

Unique Number : 10914755 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Mar 2024 **Tested** : 08 Mar 2024

Diagnosed : 09 Mar 2024 - Don Baldridge

GFL Environmental - 626 - Cadillac Hauling

1501 Ron Wilson St Cadillac, MI

US 49601 Contact: GARY BREWER

gbrewerjr@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)

Report Id: GFL626 [WUSCAR] 06111258 (Generated: 03/09/2024 13:14:13) Rev: 1

Submitted By: GARY BREWER

T:

F: