

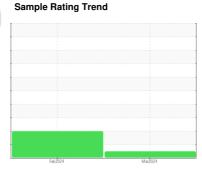
OIL ANALYSIS REPORT



{UNASSIGNED} 814032

Component **Diesel Engine**

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





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

Fluid Condition

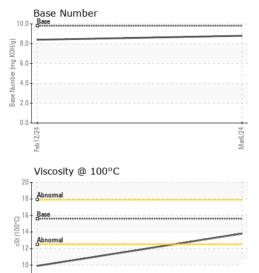
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

			P802024	Mazoza		
SAMPLE INFORM	MOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103579	GFL0097802	
Sample Date		Client Info		06 Mar 2024	12 Feb 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		496	612	
Oil Changed		Client Info		N/A	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINATION	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	0.4	
Water		WC Method		NEG	NEG	
Glycol		WC Method	7 U.L	NEG	NEG	
WEAR METALS	5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	7	29	
Chromium	ppm	ASTM D5185m	>20	0	1	
Nickel	ppm	ASTM D5185m	>5	<1	5	
Titanium	ppm	ASTM D5185m	>2	0	<1	
Silver	ppm	ASTM D5185m	>2	0	1	
Aluminum	ppm	ASTM D5185m	>20	<1	4	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	37	226	
Tin	ppm	ASTM D5185m	>15	0	3	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		21	309	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		62	119	
Manganese	ppm	ASTM D5185m		<1	4	
Magnesium	ppm	ASTM D5185m		993	683	
Calcium	ppm	ASTM D5185m		1120	1379	
Phosphorus	ppm	ASTM D5185m		1069	740	
Zinc	ppm	ASTM D5185m		1260	829	
Sulfur	ppm	ASTM D5185m		3771	2779	
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12	<u>^</u> 69	
Sodium	ppm	ASTM D5185m	725	2	0	
Potassium	ppm	ASTM D5185m	>20	<1	7	
INFRA-RED	ррпп		limit/base			history2
	0/	method		current	history1	· ·
Soot %	%	*ASTM D7844	>4	0.1	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	5.3	8.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	24.9	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6	21.8	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.8	8.4	



Feb12/24

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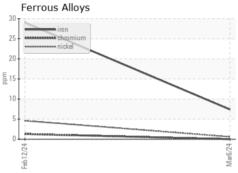


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance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

13.8

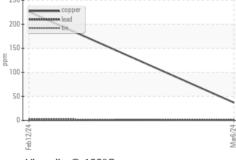
9.9

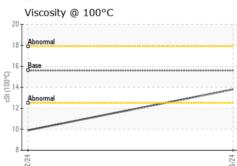
Visc @ 100°C)
GRAPHS	

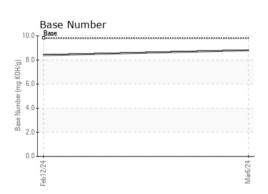


cSt

ASTM D445 15.6











Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: GFL0103579 Lab Number : 06114960

Unique Number : 10923793 Test Package : FLEET

Received **Tested**

Diagnosed

: 11 Mar 2024 : 12 Mar 2024

: 12 Mar 2024 - Wes Davis

GFL Environmental - 958 - Tri County HC Morton 1090 W. Jefferson St.

Morton, IL US 61550

Contact: Bryan Link blink@gflenv.com T:

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)

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