

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **213008**

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- GAL

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

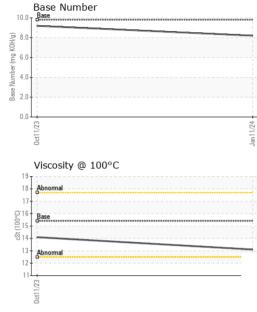
Fluid Condition

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

GAL)			0et2023	Jan 2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103564	GFL0085337	
Sample Date		Client Info		11 Jan 2024	11 Oct 2023	
Machine Age	hrs	Client Info		1109	808	
Oil Age	hrs	Client Info		1109	0	
Oil Changed		Client Info		N/A	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	20	8	
Chromium	ppm	ASTM D5185m	>5	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>30	8	6	
	ppm	ASTM D5185m	>30	0	0	
• •	ppm	ASTM D5185m		2	1	
	ppm	ASTM D5185m	>5	0	<1	
	ppm	ASTM D5185m		<1	<1	
	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	5	
	ppm	ASTM D5185m		0	0	
	ppm	ASTM D5185m	60	59	57	
	ppm	ASTM D5185m		<1	0	
-	ppm	ASTM D5185m	1010	922	929	
	ppm	ASTM D5185m	1070	1104	1016	
	ppm	ASTM D5185m	1150	1010	1105	
	ppm	ASTM D5185m	1270 2060	1193	1188 3621	
	ppm	ASTM D5185m		3057		
CONTAMINANT		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>20	6	4	
	ppm	ASTM D5185m ASTM D5185m	>20	2 19	13	
	ppm					
INFRA-RED		method	limit/base	current	history1	history2
	%	*ASTM D7844	>3	0.4	0.2	
	Abs/cm	*ASTM D7624	>20	7.4	5.3	
	Abs/.1mm	*ASTM D7415		19.5	18.0	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Abs/.1mm	*ASTM D7414	>25	16.2	14.3	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2	9.2	



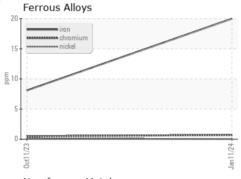
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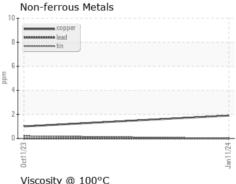


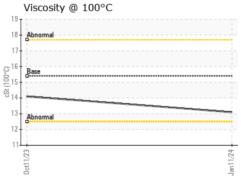
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	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	
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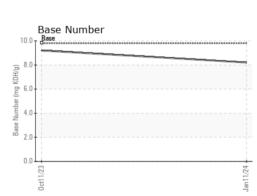
FLUID PROPE	ERITES	method	limit/base		history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.1	14.1	

GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10833060

: GFL0103564 : 06061678

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 16 Jan 2024 Diagnosed : 17 Jan 2024

Diagnostician : Wes Davis

GFL Environmental - 958A - Chillicothe Wigand

19908 N. State Rd 29 Chillicothe, IL US 61523

Contact: Bryan Link blink@gflenv.com T:

* - 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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