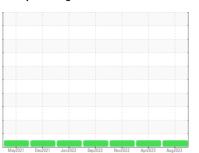


OIL ANALYSIS REPORT

Sample Rating Trend









7847M
Component
Diesel Engine
Fluid

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

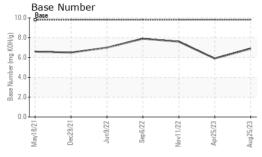
Fluid Condition

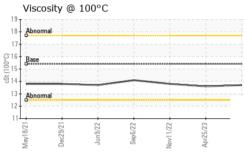
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

11 0111 1011 10 (GAL)	May2021 Dac2021 Jun2022 Sup2022 Nav2022 Apr2023 Aug2023						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		GFL0091525	GFL0081318	GFL0063254		
Sample Date		Client Info		25 Aug 2023	25 Apr 2023	11 Nov 2022		
Machine Age	hrs	Client Info		8352	7748	6559		
Oil Age	hrs	Client Info		600	600	600		
Oil Changed		Client Info		Changed	Changed	Changed		
Sample Status				NORMAL	NORMAL	NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2		
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0		
Glycol		WC Method		NEG	NEG	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>120	54	13	12		
Chromium	ppm	ASTM D5185m	>20	1	<1	<1		
Nickel	ppm	ASTM D5185m	>5	<1	<1	0		
Titanium	ppm	ASTM D5185m	>2	0	<1	0		
Silver	ppm	ASTM D5185m	>2	<1	0	0		
Aluminum	ppm	ASTM D5185m	>20	1	2	1		
Lead	ppm	ASTM D5185m	>40	<1	0	<1		
Copper	ppm	ASTM D5185m	>330	3	2	2		
Tin	ppm	ASTM D5185m	>15	<1	<1	<1		
Vanadium	ppm	ASTM D5185m		<1	0	0		
Cadmium	ppm	ASTM D5185m		0	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	0	<1	3	2		
Barium	ppm	ASTM D5185m	0	0	0	0		
Molybdenum	ppm	ASTM D5185m	60	63	63	60		
Manganese	ppm	ASTM D5185m	0	1	<1	<1		
Magnesium	ppm	ASTM D5185m	1010	971	1035	881		
Calcium	ppm	ASTM D5185m	1070	1139	1155	1101		
Phosphorus	ppm	ASTM D5185m	1150	1001	1015	932		
Zinc	ppm	ASTM D5185m	1270	1253	1266	1193		
Sulfur	ppm	ASTM D5185m	2060	3133	3118	3147		
CONTAMINAN	TS	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	11	3	3		
Sodium	ppm	ASTM D5185m		14	3	2		
Potassium	ppm	ASTM D5185m	>20	0	<1	1		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>4	0.7	0.5	0.6		
Nitration	Abs/cm	*ASTM D7624	>20	8.2	8.1	8.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	18.2	21.5		
FLUID DEGRA	OATION	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	15.1	17.0		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.9	5.9	7.6		
	- 0							



OIL ANALYSIS REPORT

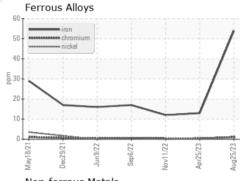


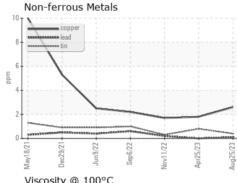


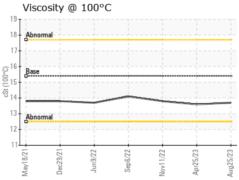
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

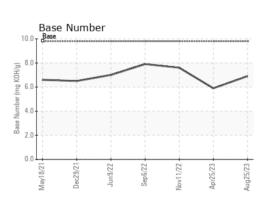
FLUID PROPI	ERITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	13.7	13.6	13.8

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Test Package : FLEET

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0091525 : 05941698 : 10632310

Received Diagnosed Diagnostician : Wes Davis

: 05 Sep 2023 : 05 Sep 2023 GFL Environmental - 465 - Pontiac

888 Baldwin Pontiac, MI US 48340

Contact: Ricky Matthews rickymathews@gflenv.com T: (586)825-9514

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)