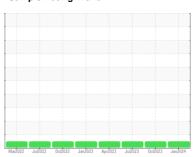


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **920050**

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.

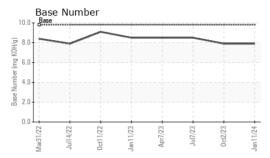
Fluid Condition

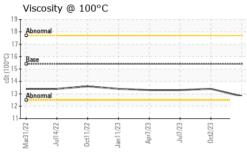
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0100392	GFL0092513	GFL0077917
Sample Date		Client Info		11 Jan 2024	02 Oct 2023	07 Jul 2023
Machine Age	hrs	Client Info		9540	8987	8417
Oil Age	hrs	Client Info		553	602	603
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	33	10	13
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	5	3	6
Lead	ppm	ASTM D5185m	>45	0	<1	0
Copper	ppm	ASTM D5185m	>85	1	1	1
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	<1	<1
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m	60	62	66	68
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	964	981	1083
Calcium	ppm	ASTM D5185m		1085	1077	1188
Phosphorus	ppm	ASTM D5185m	1150	1036	1042	1110
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1270 2060	1258 2925	1265 3323	1348 3677
CONTAMINAN	ppm					
		method	limit/base	current	history1	history2
Silicon Sodium	ppm	ASTM D5185m	>30	5	5	3
Potassium	ppm	ASTM D5185m ASTM D5185m	>20	3	0	15 1
	ppm					
INFRA-RED	0/	method *ASTM D7844	limit/base	current	history1	history2
Soot % Nitration	% Abs/cm	*ASTM D7844	>3	0.4	0.4 7.6	0.5 8.1
Sulfation	Abs/.1mm	*ASTM D7624		8.1 19.5	19.1	19.4
FLUID DEGRAI			limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	15.0	15.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.9	7.9	8.5



OIL ANALYSIS REPORT

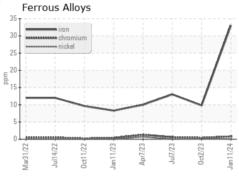


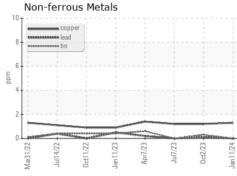


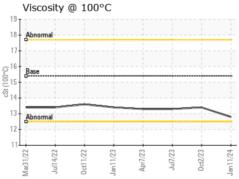
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

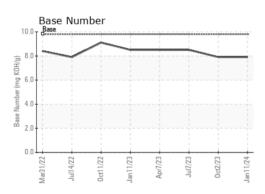
FLUID PROPE	RHES	method	ilmivbase		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	12.8	13.4	13.3

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10833178

: GFL0100392 : 06061796 Test Package : FLEET

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

: 18 Jan 2024 Diagnostician : Wes Davis

GFL Environmental - 935 - Omro HC

250 Alder Avenue Omro, WI US 54963 Contact: Tim Kieffer tim.kieffer@gflenv.com T: (608)219-0288

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)