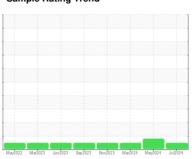


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **725008-1170**

Diesel Engine

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

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

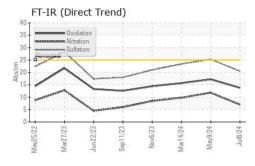
Fluid Condition

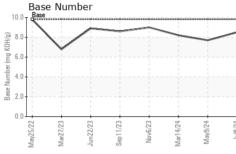
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

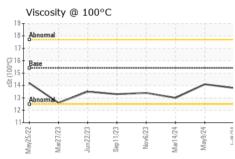
May2022 May2023 Jun2023 Sap2023 Nov2023 May2024 May2024 Ju2024						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116237	GFL0116246	GFL0116260
Sample Date		Client Info		08 Jul 2024	09 May 2024	14 Mar 2024
Machine Age	mls	Client Info		180670	177911	172517
Oil Age	mls	Client Info		2759	5158	2909
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	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	>100	18	49	37
Chromium	ppm	ASTM D5185m	>20	<1	2	1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	4	3
Lead	ppm	ASTM D5185m	>40	1	8	4
Copper	ppm	ASTM D5185m	>330	<1	4	2
Tin	ppm	ASTM D5185m	>15	0	2	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	10	4	6
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	60	57	65	62
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	1010	979	912	927
Calcium	ppm	ASTM D5185m	1070	1248	1122	1097
Phosphorus	ppm	ASTM D5185m	1150	1096	1033	998
Zinc	ppm	ASTM D5185m	1270	1362	1256	1194
Sulfur	ppm	ASTM D5185m	2060	3906	3367	3425
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	5	4
Sodium	ppm	ASTM D5185m		2	4	3
Potassium	ppm	ASTM D5185m	>20	2	3	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.4	▲ 3.5	2.4
Nitration	Abs/cm	*ASTM D7624	>20	7.0	11.8	9.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	25.3	23.4
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	17.2	15.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.5	7.7	8.2
. ,						



OIL ANALYSIS REPORT



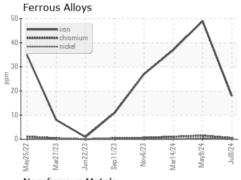


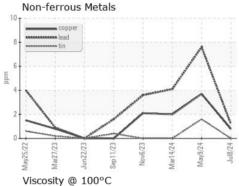


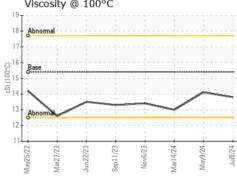
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

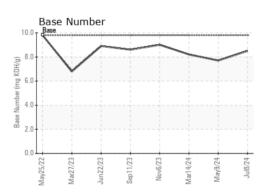
FLUID PROP	ERITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.1	13.0

GRAPHS













Laboratory Sample No.

Lab Number : 06234327 Unique Number : 11123161

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0116237

Received : 11 Jul 2024 **Tested** : 12 Jul 2024 Diagnosed : 14 Jul 2024 - Don Baldridge

GFL Environmental - 625 - Harrison Hauling

2480 S Clare Ave Clare, MI US 48617

T:

F:

Certificate 12367

Test Package : FLEET

Contact: Glenda Standen gstanden@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) Submitted By: also GFL632 and GFL638 - Glenda Standen