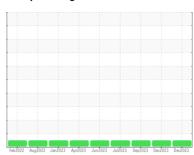


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **427127-275**

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

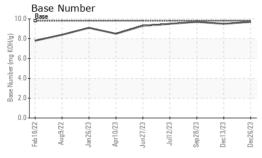
Fluid Condition

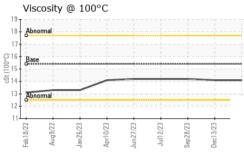
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL) Feb 2022 Augl022 Jan 2023 Apr2023 Jun 2023 Sup2023 Ope2023 Ope2023 Ope2023							
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0100261	GFL0100252	GFL0091216	
Sample Date		Client Info		26 Dec 2023	13 Dec 2023	28 Sep 2023	
Machine Age	mls	Client Info		241098	35105	240857	
Oil Age	mls	Client Info		1200	200	0	
Oil Changed		Client Info		Changed	Not Changd	Not Changd	
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	>100	4	6	4	
Chromium	ppm	ASTM D5185m	>20	0	<1	0	
Nickel	ppm	ASTM D5185m	>4	<1	<1	0	
Titanium	ppm	ASTM D5185m		0	<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	1	3	
Lead	ppm	ASTM D5185m	>40	<1	0	0	
Copper	ppm	ASTM D5185m	>330	3	4	<1	
Tin	ppm	ASTM D5185m	>15	<1	0	0	
Vanadium	ppm	ASTM D5185m		<1	<1	0	
Cadmium	ppm	ASTM D5185m		0	<1	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	11	10	8	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	60	61	64	
Manganese	ppm	ASTM D5185m	0	<1	<1	0	
Magnesium	ppm	ASTM D5185m	1010	937	909	914	
Calcium	ppm	ASTM D5185m	1070	978	993	1017	
Phosphorus	ppm	ASTM D5185m	1150	1099	949	1041	
Zinc	ppm	ASTM D5185m	1270	1285	1169	1237	
Sulfur	ppm	ASTM D5185m	2060	3280	3616	3586	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	3	4	3	
Sodium	ppm	ASTM D5185m		4	2	2	
Potassium	ppm	ASTM D5185m	>20	2	1	1	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	5.1	5.1	4.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.5	17.5	17.2	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	13.4	13.5	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.7	9.5	9.7	
, ,	0						



OIL ANALYSIS REPORT

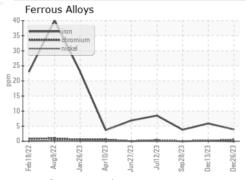


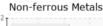


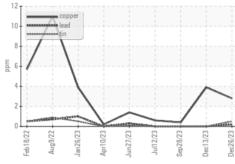
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

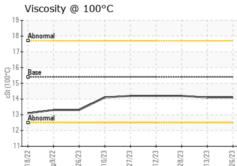
FLUID PROPE	:RHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	14.1	14.2

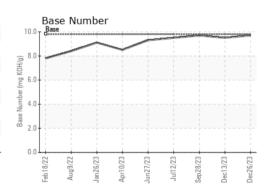
GRAPHS















Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10815741 Test Package : FLEET

: GFL0100261 : 06049792

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 03 Jan 2024 Diagnosed

: 04 Jan 2024 Diagnostician : Wes Davis

GFL Environmental - 166 - Phenix City 18 Old Brickyard Rd

Phenix City, AL US 36869

Contact: DEAN PEACE JR dean.peace@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)

F: