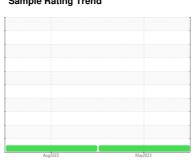


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



920011

Component **Diesel Engine**

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

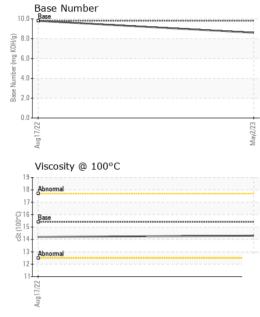
Fluid Condition

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

GAL)			Aug ² 022	May2023			
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2	
Sample Number		Client Info		GFL0071265	GFL0056044		
Sample Date		Client Info		02 May 2023	17 Aug 2022		
Machine Age	hrs	Client Info		9340	7731		
Oil Age	hrs	Client Info		9340	7731		
Oil Changed		Client Info		Not Changd	Not Changd		
Sample Status				NORMAL	NORMAL		
CONTAMINAT	ION	method	limit/base	current	history 1	history 2	
Fuel		WC Method	>5	<1.0	<1.0		
Glycol		WC Method		NEG	NEG		
WEAR METAL	S	method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m	>110	29	23		
Chromium	ppm	ASTM D5185m	>4	2	3		
Nickel	ppm	ASTM D5185m	>2	<1	0		
Titanium	ppm	ASTM D5185m		0	0		
Silver	ppm	ASTM D5185m	>2	0	0		
Aluminum	ppm	ASTM D5185m	>25	6	3		
Lead	ppm	ASTM D5185m	>45	0	4		
Copper	ppm	ASTM D5185m	>85	<1	<1		
Tin	ppm	ASTM D5185m	>4	<1	0		
Vanadium	ppm	ASTM D5185m		0	<1		
Cadmium	ppm	ASTM D5185m		0	0		
ADDITIVES		method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	0	2	2		
Barium	ppm	ASTM D5185m	0	0	0		
Molybdenum	ppm	ASTM D5185m	60	63	59		
Manganese	ppm	ASTM D5185m	0	<1	<1		
Magnesium	ppm	ASTM D5185m	1010	1044	930		
Calcium	ppm	ASTM D5185m	1070	1145	1073		
Phosphorus	ppm	ASTM D5185m	1150	1095	974		
Zinc	ppm	ASTM D5185m	1270	1388	1196		
Sulfur	ppm	ASTM D5185m	2060	3837	2960		
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m	>30	4	5		
Sodium	ppm	ASTM D5185m		5	4		
Potassium	ppm	ASTM D5185m	>20	2	1		
INFRA-RED		method	limit/base	current	history 1	history 2	
Soot %	%	*ASTM D7844	>3	0.7	1		
Nitration	Abs/cm	*ASTM D7624	>20	9.2	10.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	21.5		
FLUID DEGRADATION method limit/base current history 1 history 2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	17.5		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.6	9.8		



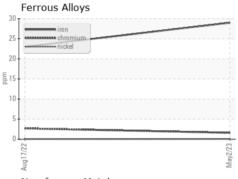
OIL ANALYSIS REPORT

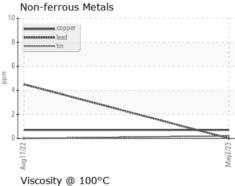


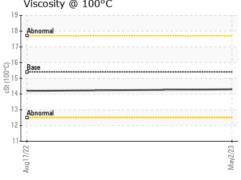
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	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	
FLUID DDODE						

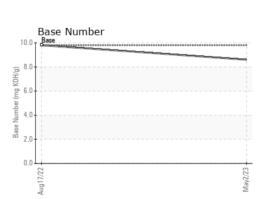
FLUID PROPE	RHES	method	limit/base		history 1	history 2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	14.2	

GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10545773 Test Package : FLEET

: GFL0071265 : 05889963

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

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

: 05 Jul 2023 : 05 Jul 2023 Diagnostician : Wes Davis

GFL Environmental - 932 - Muskego HC

W144 S6400 College Ct. Muskego, WI US 53150

Contact: Brian Schlomann brian.schlomann@gflenv.com T: (262)510-4586

* - 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)