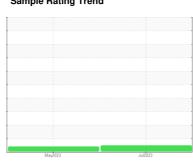


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **413134**

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

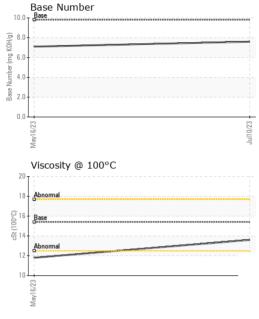
Fluid Condition

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

GAL)			May2023	Jul2023			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0085475	GFL0075398		
Sample Date		Client Info		10 Jul 2023	16 May 2023		
Machine Age	mls	Client Info		17972	11120		
Oil Age	mls	Client Info		17972	0		
Oil Changed		Client Info		Changed	Changed		
Sample Status				NORMAL	ATTENTION		
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	1.5		
Glycol		WC Method		NEG	NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	7	36		
Chromium	ppm	ASTM D5185m	>20	<1	1		
Nickel	ppm	ASTM D5185m	>4	<1	0		
Titanium	ppm	ASTM D5185m		0	0		
Silver	ppm	ASTM D5185m	>3	0	<1		
Aluminum	ppm	ASTM D5185m	>20	3	18		
Lead	ppm	ASTM D5185m	>40	<1	0		
Copper	ppm	ASTM D5185m	>330	1	13		
Tin	ppm	ASTM D5185m	>15	<1	1		
Vanadium	ppm	ASTM D5185m		0	0		
Cadmium	ppm	ASTM D5185m		<1	0		
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	32		
Barium	ppm	ASTM D5185m	0	0	0		
Molybdenum	ppm	ASTM D5185m	60	48	14		
Manganese	ppm	ASTM D5185m	0	<1	2		
Magnesium	ppm	ASTM D5185m	1010	0	620		
Calcium	ppm	ASTM D5185m	1070	2644	1636		
Phosphorus	ppm	ASTM D5185m	1150	1218	808		
Zinc	ppm	ASTM D5185m	1270	1390	950		
Sulfur	ppm	ASTM D5185m	2060	3777	3772		
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	11	13		
Sodium	ppm	ASTM D5185m		2	3		
Potassium	ppm	ASTM D5185m	>20	7	58		
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.1	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	6.9	9.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.0	20.2		
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.2	14.6		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.6	7.1		
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OIL ANALYSIS REPORT

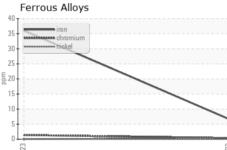


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	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	
ELLUD DDODE	DTIEO		11 11 11		11.	1:
FLUID PROPE	RHES	method				history2

13.6

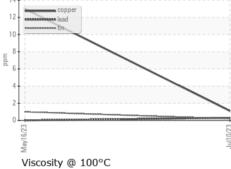
11.8

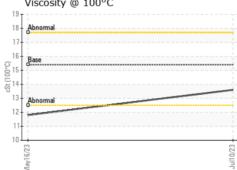
Visc @	100°C
GRA	PHS

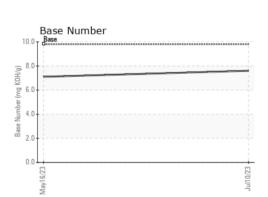


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ASTM D445 15.4











Certificate L2367

Laboratory Sample No.

Lab Number Unique Number : 10560965

: GFL0085475 : 05899609 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 17 Jul 2023 Received Diagnosed : 18 Jul 2023

Diagnostician : Jonathan Hester

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)

GFL Environmental - 983 - Sugar Land Hauling

16011 West Belfort Street Sugar Land, TX US 77498

Contact: Gino Griego ggriego@gflenv.com

T:

F: