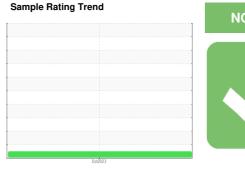


OIL ANALYSIS REPORT

Machine Id **414118**

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

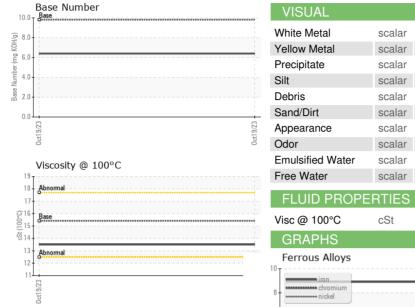
Fluid Condition

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

GAL)				Oct2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0093613		
Sample Date		Client Info		19 Oct 2023		
Machine Age	hrs	Client Info		105		
Oil Age	hrs	Client Info		105		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINA ⁻	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	9		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	•	0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	24		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	8		
Tin		ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	ppm		limit/bass			history2
		method	limit/base	current	history1	
Boron	ppm	ASTM D5185m	0	62		
Barium	ppm	ASTM D5185m	0	2		
Molybdenum	ppm	ASTM D5185m	60	3		
Manganese	ppm		0	4		
Magnesium	ppm	ASTM D5185m	1010	528		
Calcium	ppm	ASTM D5185m	1070	919		
Phosphorus	ppm	ASTM D5185m	1150	517		
Zinc	ppm	ASTM D5185m	1270	607		
Sulfur	ppm	ASTM D5185m	2060	2099		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	21		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	8		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	15.9		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.2		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.4		



OIL ANALYSIS REPORT

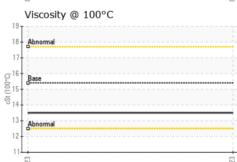


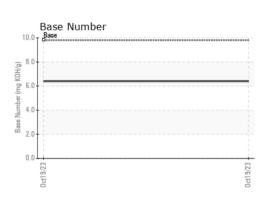
VISUAL		method			history2
White Metal	scalar	*Visual	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	
Free Water	scalar	*Visual		NEG	
FLUID PROPE	RTIES	method			history2

FLUID FROFI	LULIES	method			HISTOLAL	HISTOLYZ
Visc @ 100°C	cSt	ASTM D445	15.4	13.5		



¹⁰ T===	copper			
8 1	eeeeeee lead	 	 	
6				
4				
2				
0 -		 	 	
Oct19/23				9







Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10701675 Test Package : FLEET

: GFL0093613 : 05984380

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Oct 2023 Diagnosed

: 24 Oct 2023 Diagnostician : Jonathan Hester GFL Environmental - 891 - Oklahoma City Hauling 1001 South Rockwell

Oklahoma City, OK US 73128 Contact: Andy Smith

andrew.smith@gflenv.com T: (405)306-1651

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)

Report Id: GFL891 [WUSCAR] 05984380 (Generated: 10/26/2023 23:28:36) Rev: 1

Contact/Location: Andy Smith - GFL891