

# **OIL ANALYSIS REPORT**

Sample Rating Trend



## Machine Id 352034

Component Diesel Engine

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

### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

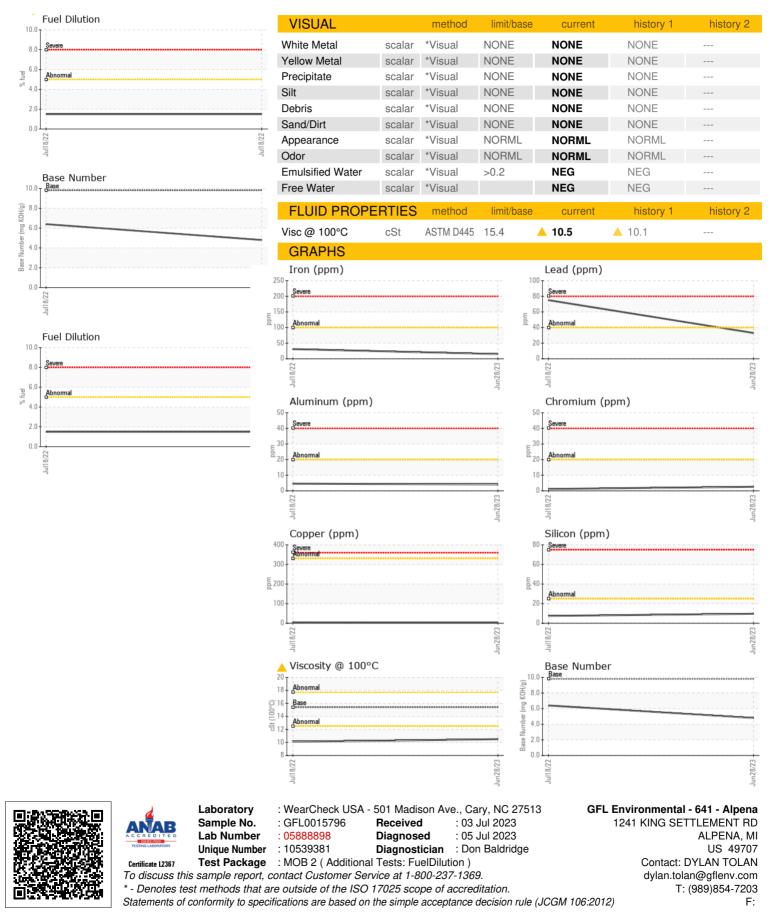
#### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

,			Jul2022	Jun2023		
SAMPLE INFORM	ATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0015796	GFL0055915	
Sample Date		Client Info		28 Jun 2023	18 Jul 2022	
	mls	Client Info		83345	83345	
Oil Age	mls	Client Info		83345	0	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ATTENTION	ABNORMAL	
CONTAMINATIO	ON	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	15	31	
Chromium	ppm	ASTM D5185m	>20	3	1	
Nickel	ppm	ASTM D5185m	>4	2	0	
	ppm	ASTM D5185m		2	0	
	ppm	ASTM D5185m	>3	2	0	
	ppm	ASTM D5185m	>20	4	5	
	ppm	ASTM D5185m	>40	33	▲ 75	
-	ppm	ASTM D5185m	>330	4	4	
	ppm	ASTM D5185m	>15	3	4	
	ppm	ASTM D5185m		1	0	
	ppm	ASTM D5185m		2	0	
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	12	37	
	ppm	ASTM D5185m	0	0	0	
	ppm	ASTM D5185m	60	67	88	
	ppm	ASTM D5185m	0	2	<1	
	ppm	ASTM D5185m	1010	492	535	
-	ppm	ASTM D5185m	1070	1144	1231	
	ppm	ASTM D5185m	1150	631	701	
	ppm	ASTM D5185m	1270	778	871	
	ppm	ASTM D5185m	2060	2460	2668	
CONTAMINANT		method	limit/base	current	history 1	history 2
	ppm	ASTM D5185m		10	8	
0 "	ppm	ASTM D5185m		5	2	
	ppm	ASTM D5185m	>20	5	2	
	%	ASTM D3703III		<1.0	1.5	
INFRA-RED		method	limit/base	current	history 1	history 2
	%	*ASTM D7844	>3	0.1	0.1	
	Abs/cm	*ASTM D7624	>20	10.8	14.4	
	Abs/.1mm	*ASTM D7415	>30	20.9	26.2	
FLUID DEGRADA		method	limit/base	current	history 1	history 2
	Abs/.1mm	*ASTM D7414	>25	14.4	19.7	
Oxidation /	MU5/.IIIIIII	A011VI D7414	220	14.4	10.7	



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