

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.

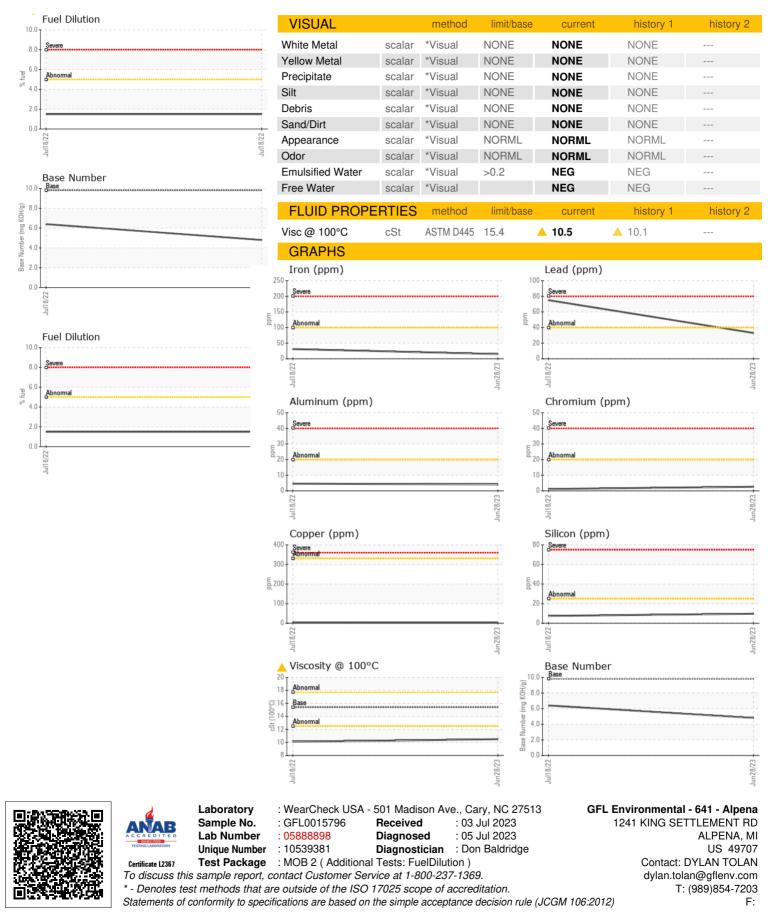
Fluid Condition

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	



OIL ANALYSIS REPORT



Submitted By: GFL463 and GFL641 - DYLAN TOLAN