

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 814018

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

Metal levels are typical for a new component breaking in.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

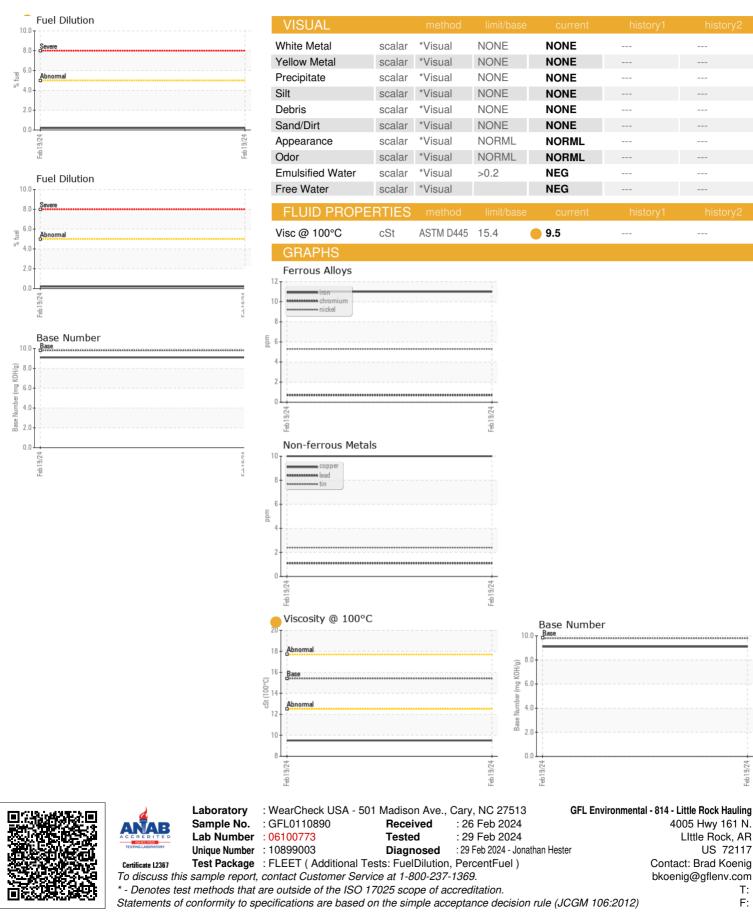
Fluid Condition

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

,				Feb2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110890		
Sample Date		Client Info		19 Feb 2024		
Machine Age	nrs	Client Info		184		
Ũ	nrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINATIC	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	opm	ASTM D5185m	>100	11		
- 1	opm		>20	<1		
	opm	ASTM D5185m	>4	5		
1	opm	ASTM D5185m	~	0		
		ASTM D5185m	>3	0		
1	opm			-		
	opm	ASTM D5185m		6		
	opm	ASTM D5185m	>40	1		
	opm	ASTM D5185m		10		
	opm	ASTM D5185m	>15	2		
Vanadium p	opm	ASTM D5185m		<1		
Cadmium ß	opm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185m	0	442		
Barium p	opm	ASTM D5185m	0	<1		
Molybdenum p	opm	ASTM D5185m	60	121		
Manganese	opm	ASTM D5185m	0	4		
	opm	ASTM D5185m	1010	712		
	opm	ASTM D5185m	1070	1518		
	opm	ASTM D5185m	1150	728		
	opm	ASTM D5185m	1270	857		
	opm	ASTM D5185m	2060	2363		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	opm	ASTM D5185m	>25	67		
	opm	ASTM D5185m		3		
	opm	ASTM D5185m	>20	6		
	%	ASTM D3524		0.2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
	Abs/cm	*ASTM D7624	>20	6.9		
	Abs/.1mm	*ASTM D7624		25.5		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Abs/.1mm	*ASTM D7414	>25	20.6		
	ng KOH/g	A91101 D2030	9.8	9.1		



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