

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 221033

Component Diesel Engine

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

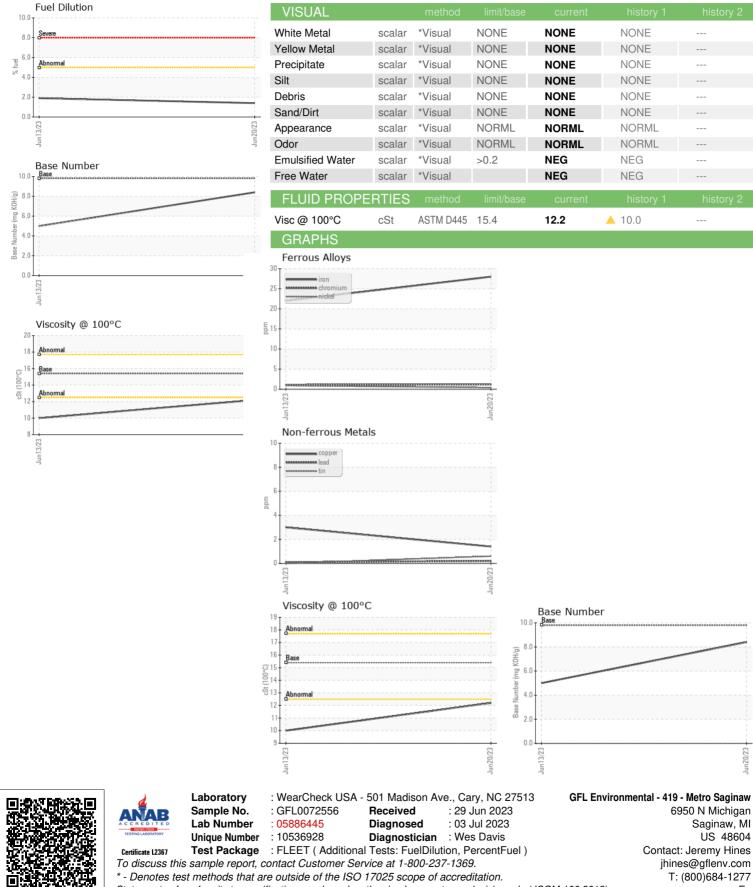
Fluid Condition

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

			Jun2023	Jun2023		
SAMPLE INFORM	IATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0072556	GFL0068312	
Sample Date		Client Info		20 Jun 2023	13 Jun 2023	
Machine Age	hrs	Client Info		14082	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				NORMAL	ABNORMAL	
CONTAMINATI	ON	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG	NEG	
WEAR METALS	3	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>80	28	22	
Chromium	ppm	ASTM D5185m	>5	1	1	
Nickel	ppm	ASTM D5185m	>2	<1	<1	
Titanium	ppm	ASTM D5185m		0	2	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>30	4	<u> </u>	
Lead	ppm	ASTM D5185m	>30	<1	<1	
Copper	ppm	ASTM D5185m	>150	1	3	
Tin	ppm	ASTM D5185m	>5	<1	0	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	9	45	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	64	257	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	1006	538	
Calcium	ppm	ASTM D5185m	1070	1169	1311	
Phosphorus	ppm	ASTM D5185m	1150	1102	693	
Zinc	ppm	ASTM D5185m	1270	1350	826	
Sulfur	ppm	ASTM D5185m	2060	3923	2516	
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	4	A 37	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	<1	1	
Fuel	%	ASTM D3524	>5	1.4	1.9	
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.3	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	7.9	10.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	20.2	
Ganation						
FLUID DEGRAD	ATION	method	limit/base	current	history 1	history 2
	ATION Abs/.1mm	method *ASTM D7414	limit/base	current 17.0	history 1 14.1	history 2



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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