

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 714020 Component

Diesel Engine

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

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.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110112		
Sample Date		Client Info		13 Feb 2024		
Machine Age	hrs	Client Info		33		
Oil Age	hrs	Client Info		33		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	20		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	3		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	5		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	29		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	356		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	106		
Manganese	ppm	ASTM D5185m	0	2		
Magnesium	ppm	ASTM D5185m	1010	677		
Calcium	ppm	ASTM D5185m	1070	1288		
Phosphorus	ppm	ASTM D5185m	1150	726		
Zinc	ppm	ASTM D5185m	1270	838		
Sulfur	ppm	ASTM D5185m	2060	2454		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	59		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	7		
Fuel	%	ASTM D3524	>3.0	0.3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.7		

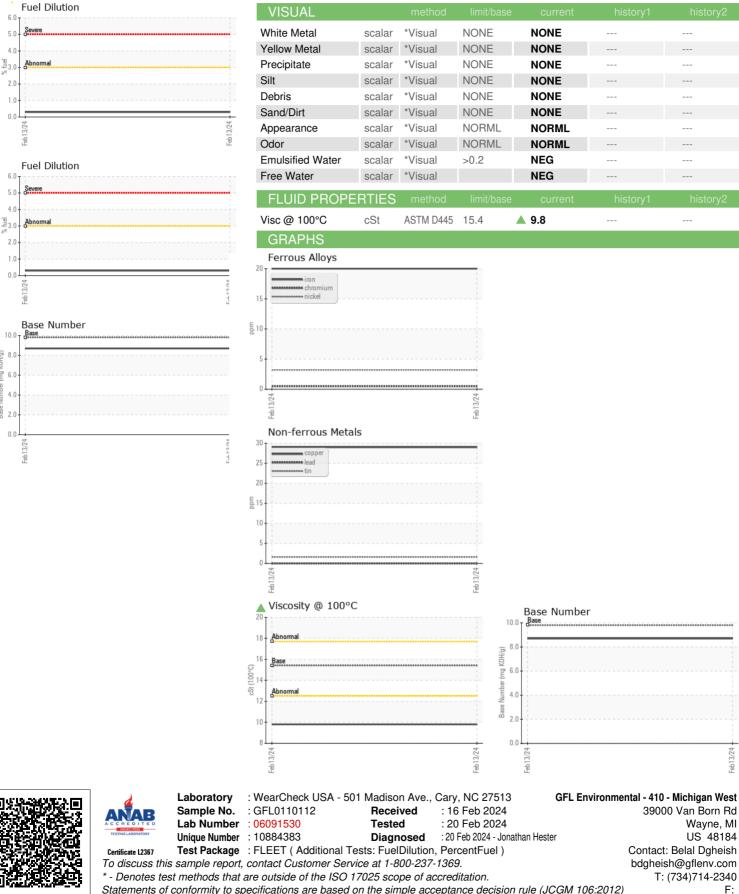


(mg KOH/g)

Imber

Base

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

Submitted By: seel also GFL468 - Laura Wilson