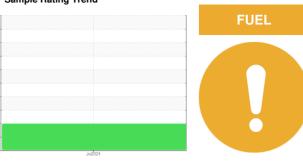


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 257000

Diesel Engine

PETRO CANADA DURON UHP 5W30 (--- GA

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

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

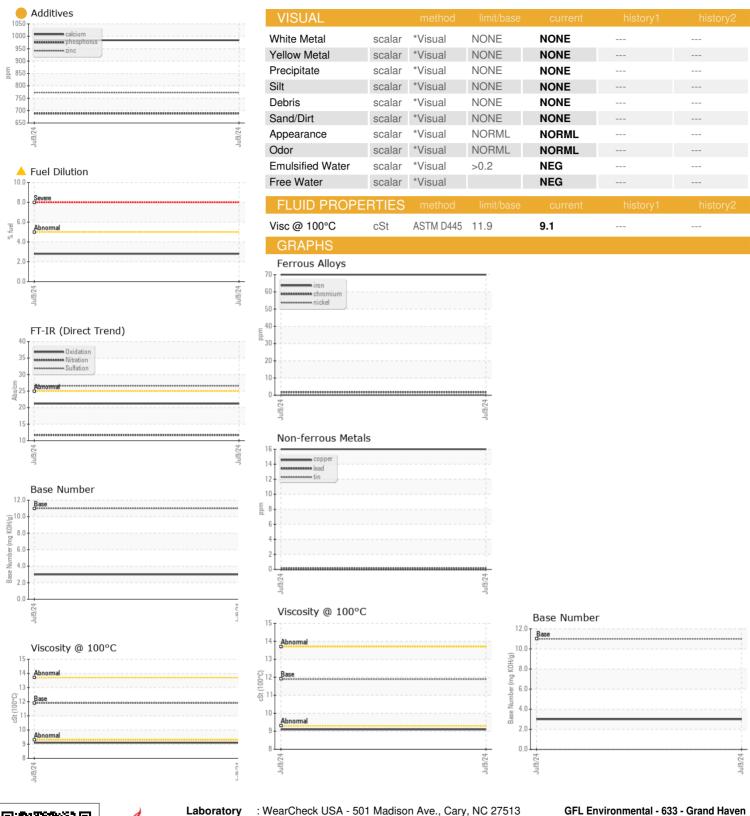
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AL)				Jul2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	IVIATION		IIIIIIVDase		<u> </u>	HISTOLYZ
Sample Number		Client Info		GFL0124161		
Sample Date		Client Info		09 Jul 2024		
Machine Age	mls	Client Info		162662		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Changed		
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	>100	70		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	5		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	16		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		0		
	рріп			-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	18		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	64	71		
Manganese	ppm	ASTM D5185m	0	4		
Magnesium	ppm	ASTM D5185m	1160	554		
Calcium	ppm	ASTM D5185m	820	984		
Phosphorus	ppm	ASTM D5185m	1160	688		
Zinc	ppm	ASTM D5185m	1260	773		
Sulfur	ppm	ASTM D5185m	3000	2961		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	<1		
Fuel	%	ASTM D3524	>5	<u>^</u> 2.8		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	11.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.2		
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	3.0		
Dase Mulliber (DIN)	ilig NOn/g	79 LINI D5030	11.0	3.0		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06235500 Unique Number : 11124334

: GFL0124161

Received : 15 Jul 2024 **Tested** Diagnosed

: 16 Jul 2024

: 16 Jul 2024 - Wes Davis Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

1680 Peach St Whitehall, MI US 49461 Contact: Derek Kater dkater@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: Derek Kater - GFL633

T:

F: