

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

INTERNATIONAL 229117

Component

Diesel Engine

PETRO CANADA DURON HP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Wear

All component wear rates are normal.

Contamination

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

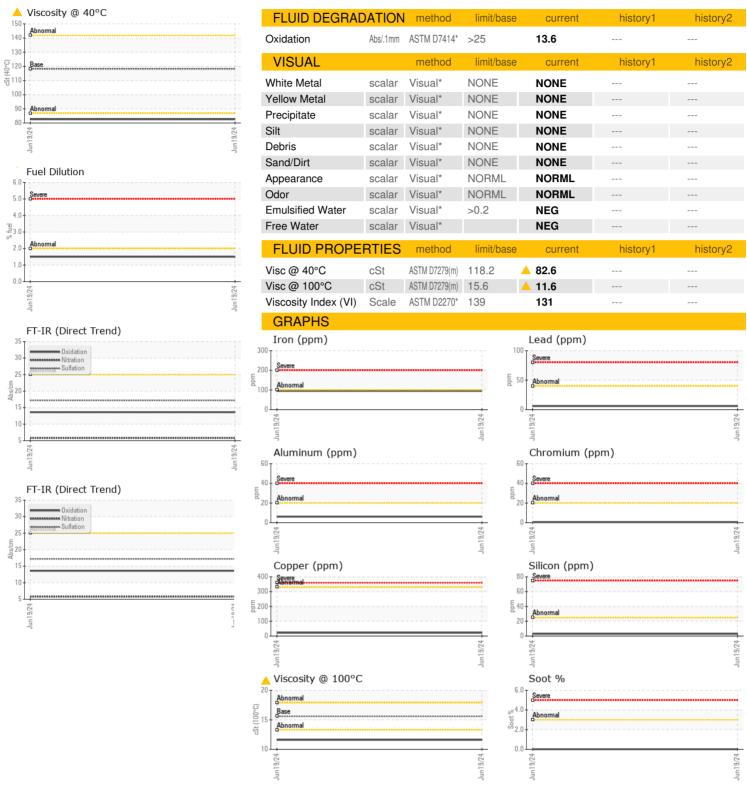
Fluid Condition

Viscosity of sample indicates oil is within SAE 10W30 range, advise investigate. The condition of the oil is acceptable for the time in service.

L)			,	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122253		
Sample Date		Client Info		19 Jun 2024		
Machine Age	hrs	Client Info		9590		
Oil Age	hrs	Client Info		150		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS	3	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>100	95		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>4	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>20	6		
_ead	ppm	ASTM D5185(m)	>40	6		
Copper	ppm	ASTM D5185(m)	>330	22		
Fin	ppm	ASTM D5185(m)	>15	<1		
Antimony	ppm	ASTM D5185(m)	>10	0		
/anadium		ASTM D5185(m)		0		
	ppm	. ,		0		
Beryllium Cadmium	ppm	ASTM D5185(m) ASTM D5185(m)		0		
ADDITIVES	pp	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	3		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	60	61		
Manganese	ppm	ASTM D5185(m)	0	<1		
Magnesium	ppm	ASTM D5185(m)	1010	968		
Calcium	ppm	ASTM D5185(m)	1070	1066		
Phosphorus	ppm	ASTM D5185(m)	1150	1020		
Zinc	ppm	ASTM D5185(m)	1270	1203		
Sulfur	ppm	ASTM D5185(m)	2060	2675		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANT	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3		
Sodium	ppm	ASTM D5185(m)		3		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Fuel	%	ASTM D7593*	>2.0	1.5		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0		
Nitration	Abs/cm	ASTM D7624*	>20	5.8		
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.2		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 987 - Charlottetown

: 02644534

Lab Number Unique Number : 5802073

: GFL0122253 Received **Tested**

: 02 Jul 2024 Diagnosed

: 02 Jul 2024 - Kevin Marson

: 28 Jun 2024

Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI, Visual) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

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7 Superior Crescent

Validity of results and interpretation are based on the sample and information as supplied. Report Id: GFL987 [WCAMIS] 02644534 (Generated: 07/02/2024 10:10:42) Rev: 1

Contact/Location: Vicki Metcalfe - GFL987