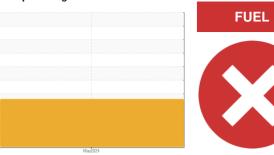


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

INTERNATIONAL 551

Diesel Engine

PETRO CANADA DURON HP 15W40 (--- GA

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

Aluminum ppm levels are abnormal. Piston wear is indicated.

Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

AL)				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0906250		
Sample Date		Client Info		31 May 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
CONTAMINATIO	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	ppm	ASTM D5185m	>100	36		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	<u>^</u> 26		
_ead	ppm	ASTM D5185m	>40	5		
Copper	ppm	ASTM D5185m		2		
Fin	ppm	ASTM D5185m	>15	0		
/anadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		2		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		53		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		770		
Calcium	ppm	ASTM D5185m		924		
Phosphorus	ppm	ASTM D5185m		822		
Zinc	ppm	ASTM D5185m		1001		
Sulfur	ppm	ASTM D5185m		2674		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	4		
-uel	%	ASTM D3524	>2.0	14.3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1		
Nitration	Abs/cm	*ASTM D7624	>20	11.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.6		
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OIL ANALYSIS REPORT





Certificate 12367

Sample No.

: WC0906250

Lab Number : 06209509 Unique Number : 11076970 Received : 13 Jun 2024 **Tested** : 19 Jun 2024

Diagnosed : 19 Jun 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN)

GOLDSBORO, NC US 27530 Contact: BRANDON BRIGGS brandonbriggs@wcps.org

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)

T:

F: