

OIL ANALYSIS REPORT

Sodium

Potassium

Sample Rating Trend

FUEL

1RW9460RECP002291

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil.

Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

-S)			Aug2022	Dec2022		
SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0081085	PCA0053904	
Sample Date		Client Info		19 Dec 2022	23 Aug 2022	
Machine Age	hrs	Client Info		13165	12912	
Oil Age	hrs	Client Info		253	280	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINA	TION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	15	13	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	1	0	
Aluminum	ppm	ASTM D5185m	>20	3	2	
Lead	ppm	ASTM D5185m	>40	3	2	
Copper	ppm	ASTM D5185m	>330	8	13	
Tin	ppm	ASTM D5185m	>15	1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		16	9	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		58	64	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		864	842	
Calcium	ppm	ASTM D5185m		1040	1048	

Molybdenum	ppm	ASTM D5185m		58	64	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		864	842	
Calcium	ppm	ASTM D5185m		1040	1048	
Phosphorus	ppm	ASTM D5185m		948	959	
Zinc	ppm	ASTM D5185m		1130	1136	
Sulfur	ppm	ASTM D5185m		2743	2837	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	6	

ppm ASTM D5185m

ASTM D5185m >20

ppm

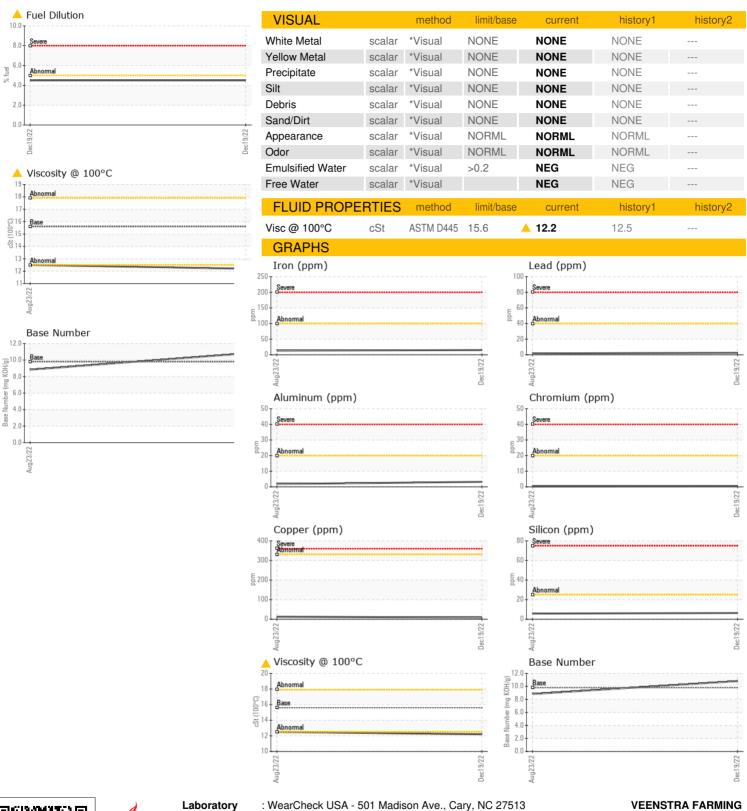
Fuel	%	ASTM D3524	>5	4.5	<1.0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.7	
Nitration	Abs/cm	*ASTM D7624	>20	7.6	7.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	22.1	
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	17.2	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	10.81	8.83	

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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: PCA0081085 : 05783268

Received : 03 Mar 2023 Diagnosed : 07 Mar 2023 Diagnostician : Jonathan Hester

: 10362938 **Test Package**: MOB 2 (Additional Tests: FuelDilution, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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) **VEENSTRA FARMING**

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