

OIL ANALYSIS REPORT

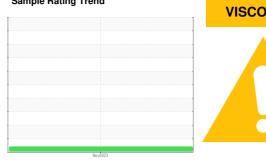
Sample Rating Trend

VISCOSITY

Machine Id **236836** Component

Diesel Engine

PETRO CANADA DURON HP 15W40 (--- Q



DIAGNOSIS

Recommendation

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

Fuel content negligible. There is no indication of any contamination in the oil.

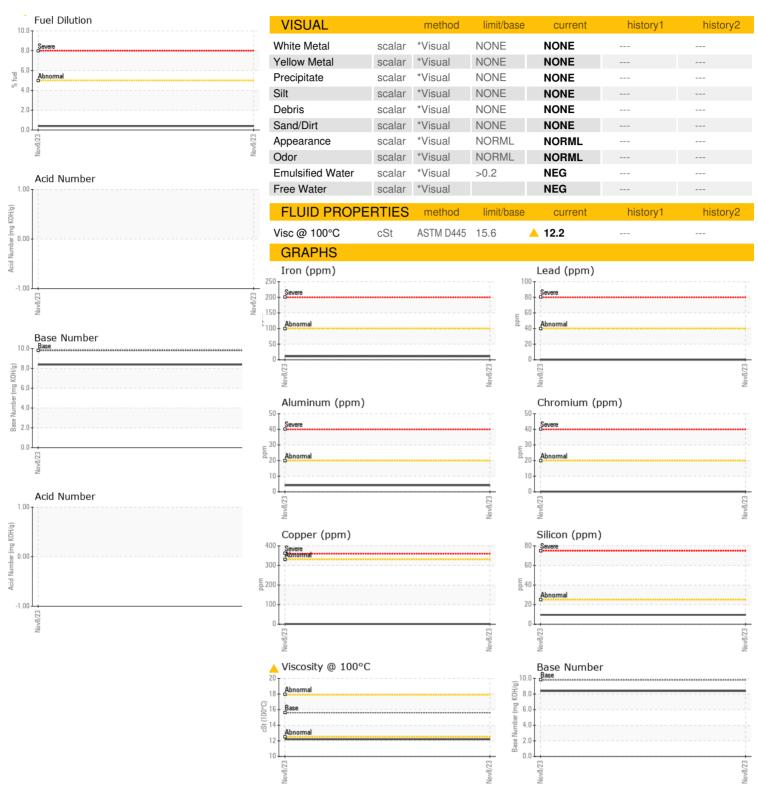
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

rs)				Nov2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	INIA HON		IIIIIIIIIIIIIII			HISTORYZ
Sample Number		Client Info		PCA0057315		
Sample Date		Client Info		08 Nov 2023		
Machine Age	mls	Client Info		147938		
Oil Age	mls	Client Info		21320		
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	11		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		59		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		980		
Calcium	ppm	ASTM D5185m		1105		
Phosphorus	ppm	ASTM D5185m		1105		
Zinc	ppm	ASTM D5185m		1370		
Sulfur	ppm	ASTM D5185m		3140		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	8		
Fuel	%	ASTM D3524	>5	0.4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	** **	*******	0=			
	Abs/.1mm	*ASTM D/414	>25	18.4		
Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.8	18.4 8.38		



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Certificate L2367

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

: PCA0057315 : 06012643 : 10751787

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Nov 2023 Diagnosed : 22 Nov 2023 Diagnostician : Jonathan Hester

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)

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