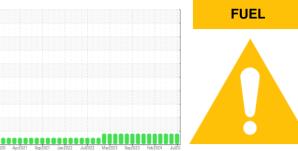


OIL ANALYSIS REPORT

Sample Rating Trend



INDEPENDENCE Unit 05 DB200105E

Natural Gas Engine

PETRO CANADA DURON MONOGRADE HD 40W (250 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

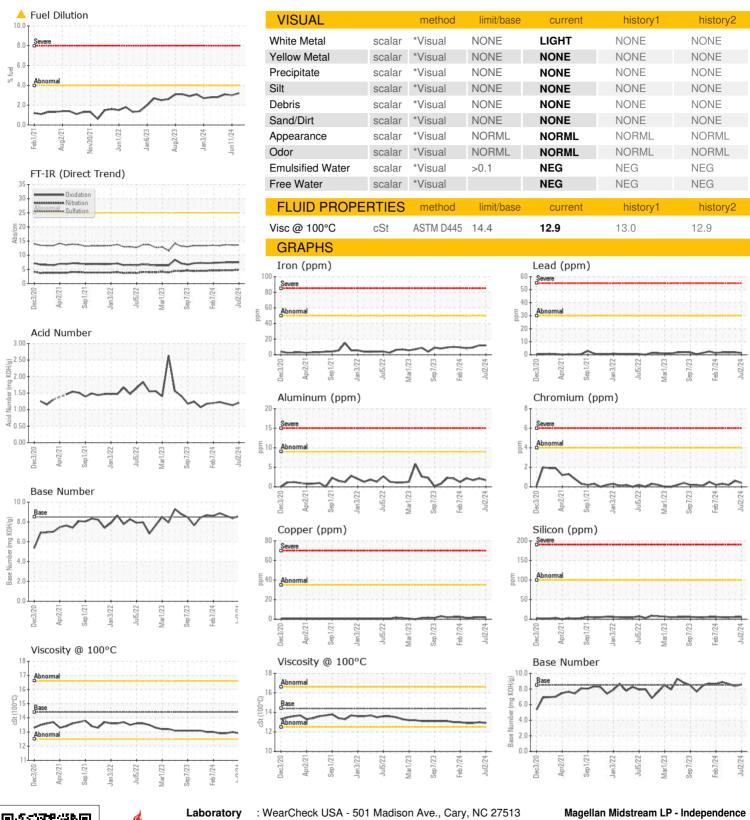
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

40W (250 GAL	•					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0097012	PCA0097013	PCA0097011
Sample Date		Client Info		02 Jul 2024	11 Jun 2024	15 Apr 2024
Machine Age	hrs	Client Info		31681	3125	2851
Oil Age	hrs	Client Info		31681	3125	2851
Oil Changed		Client Info		Not Changd	Not Changd	Filtered
Sample Status				MARGINAL	MARGINAL	MARGINAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	12	12	9
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	2	2
_ead	ppm	ASTM D5185m	>30	1	2	2
Copper	ppm	ASTM D5185m	>35	2	2	2
Tin	ppm	ASTM D5185m	>4	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7	6	1
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		9	4	4
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		896	942	888
Calcium	ppm	ASTM D5185m		1048	1072	1032
Phosphorus	ppm	ASTM D5185m		1064	1171	1017
Zinc	ppm	ASTM D5185m		1280	1330	1130
Sulfur	ppm	ASTM D5185m		2938	3092	3319
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	6	6	4
Sodium	ppm	ASTM D5185m		3	3	4
Potassium	ppm	ASTM D5185m	>20	1	1	0
Fuel	%	ASTM D3524	>4.0	▲ 3.2	△ 3.0	▲ 3.1
INFRA-RED		method	limit/base	current	history1	history2
	%	*ASTM D7844		0.1	0.1	0.1
Soot %	70					
	Abs/cm	*ASTM D7624	>20	4.8	4.7	4.7
Soot % Nitration Sulfation		*ASTM D7624 *ASTM D7415	>20	4.8 13.6	4.7 13.6	13.7
Nitration	Abs/cm Abs/.1mm	*ASTM D7415				
Nitration Sulfation FLUID DEGRAD	Abs/cm Abs/.1mm	*ASTM D7415	>30	13.6	13.6	13.7
Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7415 method	>30 limit/base	13.6 current	13.6 history1	13.7 history2



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

Lab Number : 06230888

: PCA0097012 Unique Number : 11114381

Received **Tested**

: 08 Jul 2024 : 11 Jul 2024

: 11 Jul 2024 - Jonathan Hester Diagnosed

Test Package: MOB 2 (Additional Tests: FuelDilution, PercentFuel) 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)

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