

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



PONCA CITY Machine Id Unit 02 DB130102E

Component

Natural Gas Engine

PETRO CANADA DURON MONOGRADE HD 40W (350 GAL)

DIAGNOSIS

Recommendation

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.

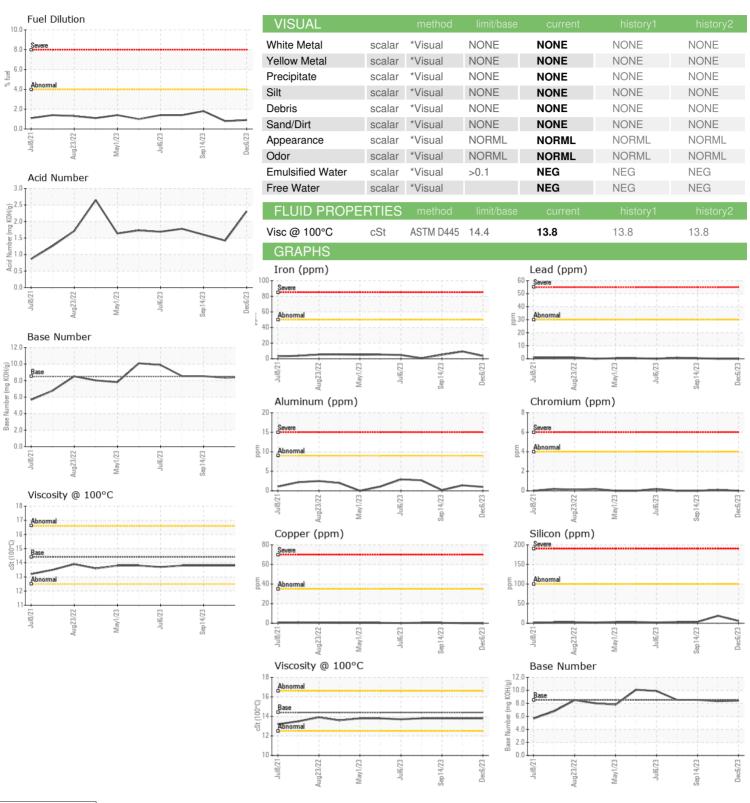
Fluid Condition

The 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.

O 40W (350 GAL	.)	Jul2021	Aug2022 May2023	Jul2023 Sep2023	Dec2023	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0100327	PCA0100321	PCA0100329
Sample Date		Client Info		06 Dec 2023	07 Nov 2023	14 Sep 2023
Machine Age	hrs	Client Info		442	21013	20910
Oil Age	hrs	Client Info		442	21013	20910
Oil Changed		Client Info		Not Changd	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	9	5
Chromium	ppm	ASTM D5185m	>4	0	<1	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	1	<1
Lead	ppm	ASTM D5185m	>30	0	0	<1
Copper	ppm	ASTM D5185m	>35	0	<1	<1
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	1	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	1	3
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		1025	936	1031
Calcium	ppm	ASTM D5185m		1110	1029	1151
Phosphorus	ppm	ASTM D5185m		1252	1190	1168
Zinc	ppm	ASTM D5185m		1440	1407	1408
Sulfur	ppm	ASTM D5185m		3587	3408	3794
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	6	19	4
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Fuel	%	ASTM D3524	>4.0	0.9	0.8	1.8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	3.8	3.6	5.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.0	12.8	16.4
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	7.0	6.5	8.9
Acid Number (AN)	mg KOH/g	ASTM D8045		2.31	1.42	1.60
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.43	8.34	8.54



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

: PCA0100327 : 06032469 : 10782260

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved Diagnosed

: 12 Dec 2023 : 19 Dec 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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T:

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