

OIL ANALYSIS REPORT

Sample Rating Trend

FARIBAULT [FARIBAULT] Unit 04 DB020104E

Natural Gas Engine

PETRO CANADA DURON MONOGRADE HD 40W (350 GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: 33 gallons of lube oil added this month.)

All component wear rates are normal.

Contamination

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

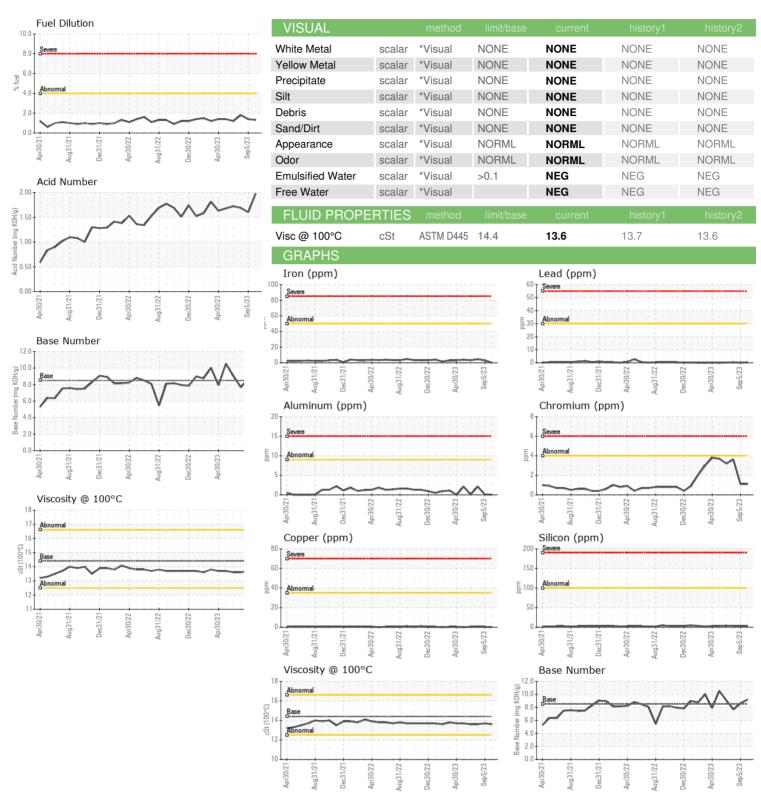
Fluid Condition

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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0098879	PCA0098878	PCA0098876
Sample Date		Client Info		30 Sep 2023	05 Sep 2023	30 Jul 2023
Machine Age	hrs	Client Info		14384	14352	14019
Oil Age	hrs	Client Info		14384	14352	14019
Oil Changed		Client Info		Oil Added	Oil Added	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	3	4
Chromium	ppm	ASTM D5185m	>4	1	1	4
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	0	<1	2
Lead	ppm	ASTM D5185m	>30	<1	0	<1
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	<1	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	2	3
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		890	1001	1234
Calcium	ppm	ASTM D5185m		1020	1160	1412
Phosphorus	ppm	ASTM D5185m		1123	1180	1517
Zinc	ppm	ASTM D5185m		1323	1447	1788
Sulfur	ppm	ASTM D5185m		3131	3916	4792
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	3	3
Sodium	ppm	ASTM D5185m		0	2	3
Potassium	ppm	ASTM D5185m	>20	2	0	1
Fuel	%	ASTM D3524	>4.0	1.3	1.4	1.8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	3.6	3.8	3.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	12.7	12.5	12.7
FLUID DEGRAE	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	6.5	6.2	6.6
Acid Number (AN)	mg KOH/g	ASTM D8045		1.98	1.60	1.69
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.19	8.59	7.68



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Certificate L2367

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

: 05973171 : 10685121

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Oct 2023 : PCA0098879 Diagnosed : 11 Oct 2023

Diagnostician : Sean Felton 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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