



Treat the earth well



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CENTRE PROFESSIONNEL DU NORD VAUDOIS

Francois Breitler with
eZee Torq

winner of the
Jurassic Test
16 May 2008



Jurassic Test results

Comparison:

Bicycles vs Electric Bicycles

The results show that electric bicycles (mainly those in the category of Electric Powered Assist Cycles >250W, >25km/h) are today more efficient than skilled cyclists, especially uphill. At last 6 electric bicycles completed the test before Dider Brocard and Bernard Wildmer, two regional figures of bicycling. It is therefore an opportunity for those who loves the sensation of being a champion...while waiting to become on.

Comparison:

Electric Bicycle models

We can see, next to established brands like the Flyer, the BionX, Velectric, Wattworld are very well equipped. Other illustrious brands like the **Scoobike eZee Torq**, aided by the legs of Francois Breitler, and Dolphin bikes; are irresistible in the mountains.

Finally, the presence of a real electric car, the Cree SAM, a high performance two seater, gave a taste of what could be a genuine mode of non polluting transportation in the near future.

Category of Jurassic Test

(50km, >1000m elevation)

In order of arrival:

As expected, the electric car was the first to arrive, but what was remarkable was that 6 electric bicycles left Didier Brocard and Bernard Widmer behind them.

11 competitors completed under 2 hrs, among them we find the best bikes classified by a point system for their energy consumption.

The first electric bicycles completed in 1 hr 36 mins.

No.	TIME	Competitor	Machine	Total Points	Energy (Wh)
1501	01:20	Domteknika	11000W Cree Sam electric car	957	5500
1507	01:36	Scoobike	350W eZee Torq Francois Breitler	960	400
1504	01:38	Locoemotion 1	500W Velo Dolphin	947	600
1505	01:38	Locoemotion 2	500W Velo Dolphin	947	600
1511	01:40	Wanner Cycle	250W BionX VTT Olivier Wanner	970	300
1510	01:42	Easycycle 2	250W Flyer HS	950	500
1516	01:44	Velectris	250W, Velectris 3	950	500
921	01:50	Dider Brocard	Racing bike		
927	01:50	Widmer Bernard	Racing bike		
1503	01:51	Dario Ciani	500W BionX Recumbent	970	300
1514	01:57	Now Future 1	250W Velectris 1	960	400
1502	02:04	BiketotheFuture	500W Cyclone Tandem	869	900
1515	02:06	NowFuture 2	250W Velectris 2	860	400
1506	02:07	Michel Maurer	500W BionX PL500HS	844	700
1520	02:16	Wattworld 2	250W Wattworld	760	400
1517	02:19	Flyer HS	250W, Flyer S HS	750	500
925	02:20	Collumb Pierre	Racing bike		
1513	02:27	Thevenaz SC	250W, 25, Sparta Ion	760	400

By comparison, a simple gas scooter covering the same route consumes 50 times more energy.

Category of Jurassic Test

(Climbing the Aiguillon)

Mount Aiguillon makes a formidable ascent. The base point starts in the village of Baulmes and at the highest point of the test route is a climb of 1320m.

All the competitors started together in Baulmes. Halfway up, cyclist without electric power assistance were out of breath and conceded their positions several minutes towards the peak.

Francois Breitler on the Scoobike eZee Torq arrived 1st at the top of the summit, but behind him several minutes later, the duo Dolphin made an incredible climb under 20 minutes. Didier Brocard could do nothing as he watched them go by, save for his tearful eyes and his quivering legs. To our knowledge, none of the cyclists had the time to train up the Aiguillon.

The ascent strained many motors and batteries., with thermal safeguards on and motor's reaching their maximum power. One contestant had to abandon the race; even the Cree SAM had attained its motor temperature limit – “it's the first time we've been placed in such conditions” said its team.

“It is a torture test up Aiguillon's slopes” quipped another competitor.

No.	TIME	Competitor	Machine
1507	00:19:51	Scoobike	350W eZee Torq Francois Breitler
1505	00:19:56	Locoemotion 1	500W Velo Dolphin
1504	00:23:26	Locoemotion 2	500W Velo Dolphin

For more information, visit:

http://www.cpnv.ch/index.php?option=com_content&task=category§ionid=11&id=39&Itemid=115