

June 6th, 2014

Dependable Turbines Ltd.
17930 Roan Place
Surrey, BC V3S 5K1

Attention: Mr. Kenneth Wong, Ph.D.

Regarding: Testimonial of Praise for DTL's Turgo Impulse Turbine

Dear Mr. Wong:

In 1990, the City of Tacoma, Washington purchased and installed one of DTL's Turgo Impulse Turbines. It replaced a pressure reducing valve that formerly dissipated the incoming water pressure before it entered our Hood Street Reservoir. It has been in continuous operation for the past 24 years. A recent inspection revealed what appeared to be heavy rusting of the inside surfaces of the turbine housing. It was decided to take an outage, clean the surfaces and repaint them.

To this end, the unit was dewatered, staging was set up in the discharge pit and the unit was pressure washed. To our delight, the heavy rust dissolved before our eyes and the original high gloss white paint was revealed. The "heavy rust" was actually iron bacteria.

An inspection of the runner, spears and deflectors showed minimal wear had occurred after 24 years of 24 hour per day operation. There was a small, localized, thinning of the inlet edge of the buckets. The white paint was stained, but there was no cracking, no lifting, and no peeling of the paint. We had already purchased the new paint so we gave the metal parts another coat.

I am quite astonished at the "almost like new" condition of your turbine after two decades of use. I would highly recommend the purchase of your hydro machinery to anyone who is considering the installation of a similar wheel.

Sincerely,

William K. Fay P.E., Generation Supervisor of Mechanical Engineers
Tacoma Power
Tacoma, WA