

Dyno Testing Procedures & Benefits

- Run up engines from idle to full throttle under measurable load with shop test equipment for analysis.
- Locate high-speed and mid-range problems at working temperatures and loads.
- Duplicate various "bog" situations.
- Time engines at recommended RPMs.
- Properly set I/O shifters.
- Power tune to maximum engine performance.
- Load test to confirm repair or service.

Easy To Use

The International DYNO® Dynamometer consists of two major components and associated support accessories. The major components are: (1) The DYNO control unit that produces, controls and measures the load, engine speed and temperature, and (2) the DYNO power-head pump that attaches to the engine's prop shaft to "load" the engine. Accessories include prop shaft connection adapters and cooling as well as exhaust systems.



*DYNO set-up is a one man,
10 minute shop job*

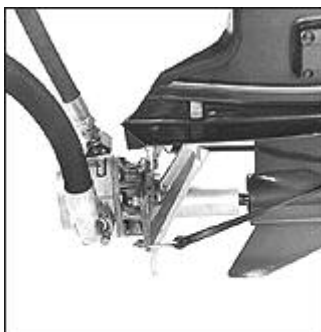
Typical Test Run

1. Remove prop from engine.
2. Select correct prop shaft adapter.
3. Slide DYNO pump onto prop shaft.
4. Connect tachometer and water flushette.
5. Connect ignition analyzer or timing light if appropriate.
6. Start and warm up engine.
7. Adjust throttle and load valve to achieve appropriate RPM and measure the output.

TROUBLESHOOT POWER TUNE

Under Full Load in Your Shop

If you're lucky enough to have an experienced master mechanic in your shop he can usually take a boat for a run on a lake and know what the problem is. But does it pay? How long does it take him and a helper to launch and make a diagnostic run? And then perhaps go back on the water again to confirm the fix? Compare that with taking a run with the DYNO® Marine Dynamometer. One man can hook up the DYNO and in 10 minutes have that engine under test at full throttle, full load reality. It all happens where you can use your test equipment and where special tools and parts are handy. And when you think you've solved your customer's problem it can be tested and verified easily before your customer is out on the water. You make the best use of your valuable people, and show your customers you provide a superior service facility.



*DYNO power-head pump
slips on prop shaft to
load engine*



*EXHAUST SYSTEM reduces
noise, directs away
from operator*