



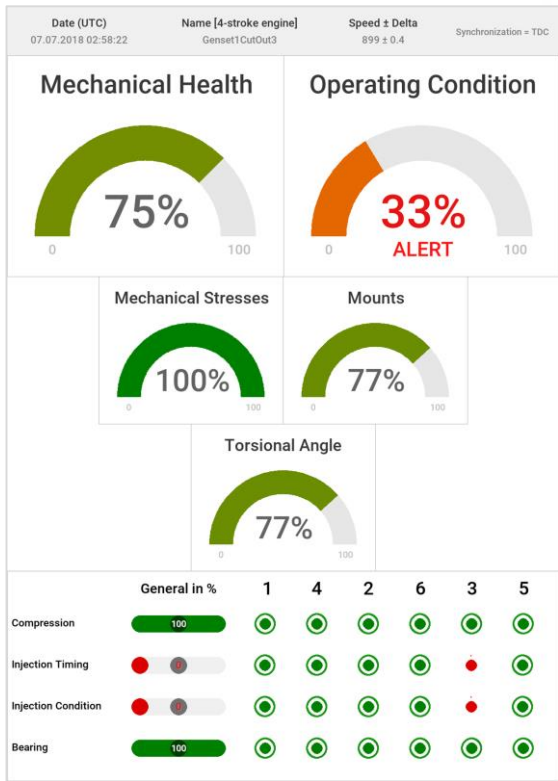
alphaengine

**The intelligent health
check for your engine!**

alphaengine is a revolutionary predictive diagnostic system with

- ◆ powerful diagnostic functions
- ◆ huge cost savings potential
- ◆ ability to analyze all kinds of combustion engines and turbos
- ◆ cylinder specific engine performance indicators
- ◆ analysis based on torsional vibration measured by crankshaft speed sensor
- ◆ early indication of a any anomalies
- ◆ capability to keep your fleet on track while business grows





Information about Engine Condition

- Mechanical Health** is the overall indication of the mechanical condition of the engine.
- Operating Condition** indicates how efficiently the engine is running.
- Injection** gives an information about injection timing and fuel atomization.
- Compression** compares cylinder pressures and indicates power loss or efficiency of the engine.
- Bearing** indicates dynamic behavior of bearings and all moving parts.
- Mechanical Stresses** informs about the presence of unexpected stress pulses in the crankshaft twist.
- Mounts** indicates engine imbalance due to non-optimal thermal health and inertial resistance of moving parts.
- Torsional Angle** informs about dynamic torsion in the crankshaft.

Benefits

<p>Extended and optimized engine lifetime</p>	<p>Avoidance of unnecessary shutdowns</p>
<p>Early detection of impending engine failures</p>	<p>Quick ROI and reduced energy cost</p>
<p>Easy retrofit on all engine types</p>	<p>Significant savings due to targeted maintenance</p>

Fleet Management



Product Features

- Inline and V-type engines
- 2 or 4 stroke engines
- Up to 30 cylinders
- Diesel, natural gas or gasoline engines
- Independent of engine manufacturer
- Turbocharger diagnostics

