

Mechanical Power Transmission Services



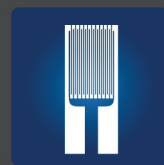
Sound



Rotating speed



Weight



Strain gauge



Temperature



Torque



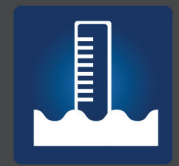
Pressure



Electrical
signal



Wear
displacement



Oil level



Oil cleanliness



Oil flow



Oil filter
cleanliness



Vibration



Failure mode
analysis

Mechanical Power Transmission Services

EMEC Expertise provides high added value for mechanical power transmission services with bespoke technology :

- Failure Mode Analysis with systematic approach.
- Low cost Field / Fix investigation and long term countermeasure action proposal.
- Compact embedded sensors (strain gauge, thermocouple).
- Compact low cost transceiver (e.g. dim 50x58x21 mm; weight 42 gr).
- High number of sensors possible with simplified installation thanks to the wireless technology (e.g. torque measurement on existing shaft or coupling).
- Automated Post Processing Analysis and Reporting.



Benefits



- Save money and increase transmissions reliability with our high added value expertise.
- Early detection of critical concerns to avoid catastrophic failure.
- Benefit from the experience of our experts.

EMEC
Expertise

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