SMART Duty Cycle Analysis

Driveshaft selection done the „SMART“ way!

Every calculation model is only as good as the input. If only there was a clever way to capture real world duty cycles to avoid having shafts under / oversized based on estimations. With Walterscheid Powertrain Group’s integrated SMART & Connected Technology, now there is! Through integrating sensor functionality into the driveshaft, we make duty cycle measurement under real conditions accessible to our customers. This service is an important enhancement to our existing capabilities of life estimation; especially in marginal applications.

Our Deliverables

Engineering service including:
- Recording of driveline parameters under realistic driving conditions
  - Drive shaft torque
  - Bearing temperature
  - Rotation speed
  - Vibration
  - GPS Position
- Calculation of duty cycle and resulting component lifetime
- Assessment of drivetrain design
- Risk assessment of potential drive shaft failure modes
- Detailed report from powertrain experts
- Onsite presentation and discussions of implications

Customer Value

- Purchase decision-making simplified: assists in selecting right drive shaft size for the application

- Drivetrain design optimization leading to, for example, noise reduction, efficiency improvement, lifetime improvement
- Reduced total cost of quality: Design review and risk assessment by drivetrain experts; avoiding costly redesign and recall at a later stage
Walterscheid Powertrain Group

Service Centre Locations

FIELD SERVICE AND DIGITAL SOLUTIONS

Service Centre Bönen
Off-Highway Powertrain Services
Germany GmbH
Siemensstr. 6
59199 Bönen
Germany
Phone: +49 (0) 2383 921 15 0
service.boenen@walterscheid.com

CARDAN COMMERCIAL VEHICLES

Service Centre Düsseldorf
Off-Highway Powertrain Services
Germany GmbH
Gutenbergweg 2
40699 Erkrath
Germany
Phone: +49 (0) 2104 933 746
customerservice.duesseldorf@walterscheid.com

CARDAN INDUSTRY

Service Centre Hamburg
Off-Highway Powertrain Services
Germany GmbH
Ottensener Straße 150
22525 Hamburg
Germany
Phone: +49 (0) 40 5400 900
customerservice.hamburg@walterscheid.com

CONSTANT VELOCITY SHAFTS

Service Centre Frankfurt
Off-Highway Powertrain Services
Germany GmbH
Gewerbepark Hasselroth
Senefelder Str. 6
63594 Hasselroth
Germany
Phone: +49 (0) 6055 883 09 – 48
service.frankfurt@walterscheid.com

PRODUCTION ONLY

Service Centre Nürnberg
Off-Highway Powertrain Services
Germany GmbH
Am Keuper 1
90475 Nürnberg
Germany

Service Centre München
Off-Highway Powertrain Services
Germany GmbH
Siemensstr. 11
85221 Dachau
Germany

ALL SERVICES AND PRODUCTS

Service Centre Vienna
Powertrain Services Austria GmbH
Slamastraße 32
1230 Wien
Austria
Phone: +43 (0) 1616 38 800
service.austria@walterscheid.com

Service Centre Amsterdam
Powertrain Services Benelux BV
Haaixenmerstraatweg 153-157
1165 MK Halfweg
Netherlands
Phone: +31 (0) 20 4070 207
service.netherlands@walterscheid.com

Service Centre Sint-Truiden
Powertrain Services Benelux BV
Groenstraat 5920, bus 2
3800 Sint-Truiden
Belgium
Phone: +32 (0) 11 59 02 60
service.belgium@walterscheid.com

Service Centre Chalon sur Saône
Powertrain Services France SA
6b rue Alfred Kastler
71530 Fragnes
France

Service Centre Leek
Powertrain Services UK Limited
Higher Woodcroft
Leek
Staffordshire ST13 5QF
Great Britain
Phone: +44 (0) 153 838 42 78
service.uk@walterscheid.com

Service Centre Milano
Powertrain Services Italy SpA
Via G. Ferraris 125/C
20021 Bollate, Milano
Italy
Phone: +39 02 38 33 81
service.italia@walterscheid.com

Service Centre Oslo
Powertrain Services Scandinavia AB
Karlhaugveen 102
1086 Oslo
Norway
Phone: +47 (0) 23 286 810
service.norway@walterscheid.com

Service Centre Stockholm
Powertrain Services Scandinavia AB
Alfred Nobels Allé 110
164 48 Tullinge
Sweden
Phone: +46 (0) 8 603 97 00
service.sweden@walterscheid.com

Service Centre Regensdorf
Off-Highway Powertrain Services
Germany GmbH
Althardstraße 141
8105 Regensdorf (Zurich)
Switzerland
Phone: +41 (0) 44 87 16 070
service.switzerland@walterscheid.com

Aftermarket & Service China
万特赛传动技术（中国）有限公司
Walterscheid Powertrain (China) Co. Ltd.
Building 17, 388 East Guangzhou Rd.
215400 Taicang, Jiangsu
China
Phone: +86 512 535 818 00
service.china@walterscheid.com

Service Centre Russia
Walterscheid (RUS) LLC
Leninskaya Sloboda 19 room 21k
115280 Moscow
Russia
Phone: +7 495 646 56 81
service.russia@walterscheid.com

Service Centre Moscow
Powertrain Services
Scandinavia AB
Alfred Nobels Allé 110
164 48 Tullinge
Sweden
Phone: +46 (0) 8 603 97 00
service.sweden@walterscheid.com

Aftermarket & Service North America
Powertrain Rockford Inc
1200 Windsor Road
Loves Park, IL 61111, USA
Phone: +1 815 633 746 0
mechanics@walterscheid.com

Service Centre Madrid
Off-Highway Powertrain Service
Spain, Sociedad Limitada
Calle Garzas 10A
28320 Pinto
Spain
Phone: +34 91 690 95 77
service.spain@walterscheid.com

Service Centre České Budějovice
Powertrain Services Austria GmbH
Pekárenská 54
370 04 České Budějovice
Czech Republic
Phone: +42 (0) 387 314 125
service.czech@walterscheid.com

Service Centre Madrid
Off-Highway Powertrain Service
Spain, Sociedad Limitada
Calle Garzas 10A
28320 Pinto
Spain
Phone: +34 91 690 95 77
service.spain@walterscheid.com

Service Centre Prague
Powertrain Services France SA
8 Rue Panhard et Levassor
78570 Chanteloup les Vignes
France
Phone: +33 (0) 130 068 400
service.france@walterscheid.com

Service Centre Milan
Powertrain Services Italy SpA
Via G. Ferraris 125/C
20021 Bollate, Milano
Italy
Phone: +39 02 38 33 81
service.italia@walterscheid.com

Service Centre Stockholm
Powertrain Services Scandinavia AB
Alfred Nobels Allé 110
164 48 Tullinge
Sweden
Phone: +46 (0) 8 603 97 00
service.sweden@walterscheid.com

Service Centre Regensdorf
Off-Highway Powertrain Services
Germany GmbH
Althardstraße 141
8105 Regensdorf (Zurich)
Switzerland
Phone: +41 (0) 44 87 16 070
service.switzerland@walterscheid.com

www.walterscheid-group.com