

Hard work needs hard coatings.

高难度工作,需要硬涂层



BALINIT® DLC: for safe oil exploration. BALINIT® DLC: 用于安全的石油勘探

Mechanical seals are used in the rotating equipment such as drilling bits, compressors, pumps etc. and typically subjected to high loads and abrasive environments. BALINIT® DLC coated mechanical seal faces provide outstanding abrasive and adhesive wear resistance due to high hardness and low friction of coating. BALINIT® DLC on dry gas seal components provides increased life and improved performance without additional lubrication. BALINIT® DLC is used for various mechanical seal applications and also can be considered as a replacement for solid ceramic, silicon carbide or thermal sprayed materials. It offers an effective replacement for Cr plating with a lower cost solution.

机械密封件用于旋转机械设备,如:钻头、压缩机、泵等,典型的用于高负荷和磨损的环境。由于涂层的高硬度和低摩擦,经BALINIT® DLC涂层的机械 密封件具有出色的耐磨性。BALINIT® DLC用于干气密封零部件,能够在无需润滑油的情况下,延长部件的使用寿命,改善性能。BALINIT® DLC可用于 多种机械密封件,也可以用作固体陶瓷、碳化硅或热喷涂材料的替代品,同时也是镀铬的低成本有效替代方案。

Your advantages with BALINIT® DLC coated mechanical seals.

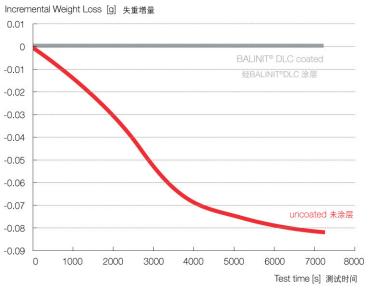
经BALINIT® DLC涂层的机械密封件的优势

- Low friction reduces seal damage caused by start up and / or coast down conditions _低摩擦力,降低因启动或滑行情况而导致的密封件受损
- Less danger of leakage thus protection of the entire system and the environment
- Increased life and less maintenance
- Significant reduction in downtime
- Cost savings as a result

- -减少了泄漏的危险,从而保护了整个系统和环境
- -延长使用寿命,减少维护次数
- -显著减少了停工时间
- -节约成本

Trust in constantly low friction and wear resistance.

持续减少摩擦、磨损,值得信赖





Effect of BALINIT® DLC coating on the weight loss of a thrust washer test - coated verse uncoated washers (bottom washer coated, total wear of both washers).

Test conditions: 1603 RPM, 600 N, 2 hours, 600P mineral oil, 10 N/mm².

The pV (pressure / velocity) test with two DLC coated washers results in nearly no wear.

A test with both washers uncoated results in high wear.

BALINIT® DLC涂层用于失重情况的推力垫圈测试的效果—已涂层与未涂层的垫圈作对比(垫圈底部已涂层,两个垫圈都磨损)。

测试环境: 1603 RPM, 600 N, 2 小时, 600P 矿油, 10 N/mm2.

未涂层的垫圈在测试中均高度磨损。

We recommend: BALINIT® DLC for safe sealing

我们推荐:BALINIT®DLC涂层用于安全密封

BALINIT®	DLC	and	DLC	STAR
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Coating material 涂层材料	Micro-hardness (HV) 维氏硬度	Typical thickness 标准厚度	Colour 颜色
a-C:H/CrN	> 2000	2-4 µm	Black 黑色

There's much more to talk about - please get in touch to discuss what we can do to improve your business. 更多需要了解, 请与我们联系

OC Oerlikon Balzers AG | Balzers Technology & Service Centre | Iramali 18 | 9496 Balzers | Liechtenstein T: +423 388 7500 | F: +423 388 5419 | E: components.balzers@oerlikon.com | www.oerlikon.com/balzers

Oerlikon Balzers Coating (Suzhou) Co., Ltd | No.9 Chang Yang Street | Suzhou Industrial Park 215024 | Jiangsu Province | P.R.China T: +86 512 67620369 | F: +86 512 67620359 | E: info.balzers.cn@oerlikon.com