



SUCCESS STORY

DRY-DOCKING OF LNG VESSEL INCLUDES MAJOR SERVICE FOR ESSENTIAL BOIL-OFF GAS COMPRESSOR

Teekay LNG, a leading marine transport company, has completed a time-critical dry-dock overhaul of its vessel “Creole Spirit”, including a major service for the boil-off gas (BOG) compressor, during a recent maintenance period in Singapore. As part of a long-term service agreement (LTSA), Burckhardt Compression carried out extensive planning and precision project management to ensure the flawless service was delivered within 13 days, despite the Covid pandemic and with a perfect safety record.

CUSTOMER CHALLENGES

- Project planned as part of 13-day dry-dock maintenance period
- Coordination of sub-contractors within the confines of compressor machinery room (CMR)
- Covid pandemic posed additional challenges
- Coordination of parts and manpower for efficient delivery
- Completed not only the planned overhaul, but also resolved additional issues that arose during the project, all within the allotted timeframe

APPLICATION DESCRIPTION

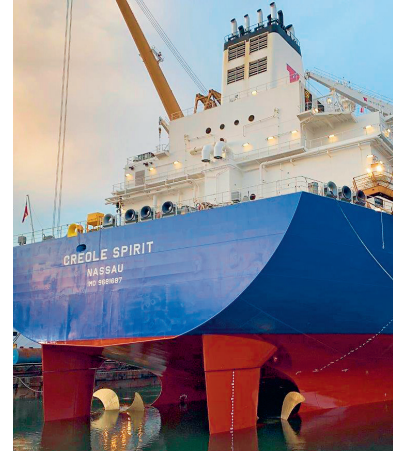
Compressor service on LNG vessel			
Type	Laby®-GI Compressor	Gas	LNG boil-off gas
Power	1'950 kW / 2'614 hp	Suction pressure Discharge pressure	1'050 bara / 15'228 psia 307 bara / 4'452 psia
Speed	509 rpm		

BURCKHARDT COMPRESSION SOLUTION

- Long-Term Service Agreement offers tailored maintenance program
- Center of Excellence in Singapore provides specialist support for dry-dock inspection
- Complete 5-year service and overhaul
- On-time delivery within 13-day window, despite Covid challenges

CUSTOMER BENEFITS

- Extensive preparation and coordination of this huge project ensured flawless delivery within the short project timeframe
- Zero incidents during the project
- Planned maintenance improves life-cycle costs and operational efficiency
- On-time delivery ensured departure from dry dock as planned
- On-going compressor reliability
- Continued reduction in sulfur and CO₂ emissions



The Creole Spirit in dry dock.



Compressor after service of just 13 days.

Burckhardt Compression AG

24/7 Emergency Hotline: +41 52 261 53 53
aftersales@burckhardtcompression.com
www.burckhardtcompression.com