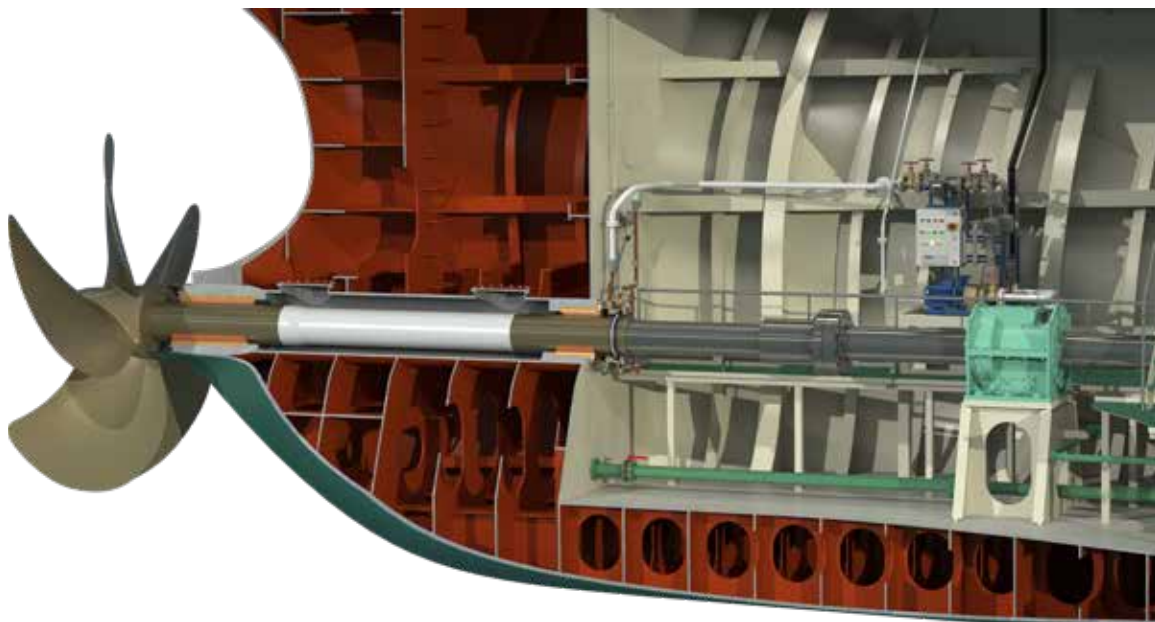


# COMMERCIAL SHIP REFERENCES

SHIPOWNERS USING THORDON  
SEAWATER LUBRICATED PROPELLER SHAFT BEARINGS

Future Compliant Gaining an Eco - Advantage  
Fall 2023



**THORDON**  
THORDON BEARINGS INC.

ZERO POLLUTION | HIGH PERFORMANCE | BEARING & SEAL SYSTEMS



### Algoma Central Corp. (Canada)

8 – bulk carriers ranging from 18,583 DWT to 47,800 DWT  
Equipped with COMPAC bearings, WQP & ThorShield  
Delivered: 1999 - 2013  
Seaway Marine, Lakehead Marine (Canada), Chengxi (China)



### Atlantska Plovidba (Croatia)

2 – 38,000 DWT bulk carriers  
Equipped with COMPAC bearings & WQP  
Delivered: 2014  
Qingshan Shipyard, Wuhan (China)



### COSCO (China)

16 – bulk carriers ranging from 31,775 DWT to 38,500 DWT  
Equipped with COMPAC bearings, WQP & ThorShield  
Delivered: 2009 - 2022  
Shanhaiguan, Nangtong, Shanghai, Guangzhou,  
Guangzhou Wenchong, Fujian Mawei (China)



### CSL Group (Canada)

7 – bulk carriers ranging from 31,600 DWT to 74,000 DWT  
Equipped with COMPAC bearings, WQP & ThorShield  
Delivered: 2001 - 2023  
Chengxi, Shanhaiguan, Yangfan (China),  
Fincantieri Bay Shipbuilding (USA), Hyundai Mipo (South Korea)





## Fuzhou Haitong Shipping (China)

2 – 51,000 DWT bulk carriers  
Equipped with COMPAC bearings  
Delivered: 2013  
Taizhou Sanfu Ship Engineering (China)



## The Interlake Steamship Company (USA)

8 – bulk carriers from 24,345 DWT to 69,172 DWT  
Equipped with COMPAC bearings, RiverTough bearings  
Delivered: 1998 - 2021  
Great Lakes Engineering Works - River Rouge, Mi,  
Bay Shipbuilding Co., Fincantieri Shipyard, Wisconsin (USA)



## Interocean Transportation Inc (Argentina)

1 – 93,269 DWT bulk carrier  
Equipped with RiverTough bearings  
Delivered: 2022  
Jiangsu Newyangzi Shipbuilding Co Ltd - Jingjiang JS (China)



## Keystone Shipping (USA)

1 – 26,011 DWT bulk carrier  
Converted to COMPAC & WQP  
Delivered: 2016  
Fincantieri Bay Shipbuilding (USA)



## KGJS Cement AS (Norway)

5 – bulk carriers from 4,500 DWT to 8,000 DWT  
Equipped with COMPAC bearings, ThorPlas-Blue bearings  
Delivered: 2008 - 2018  
Ferus Smit Scheepswerf BV (Netherlands)



### LEGEND



**COMPAC**  
Seawater - lubricated propeller shaft bearings for blue water



**ThorShield**  
Shaft coating for seawater - lubricated propeller shaft bearing systems provides protection against corrosion



**RiverTough**  
Tailshaft bearings for abrasive operating water conditions



**Water Quality Package (WQP)**  
Thordon WQP supplies seawater to the propeller shaft bearings for lubrication and cooling while removing abrasives



**SXL**  
Seawater - lubricated propeller shaft bearings & grease free rudder bearings



**Bearing Conditioning Monitoring (BCM)**  
Thordon BCM system enables real time observation of propeller shaft bearing behaviour





### Lower Lakes Towing Ltd. (Canada)

4 – bulk carriers from 14,986 DWT to 36,245 DWT  
Equipped with COMPAC and RiverTough bearings, Thor-Coat, & WQP  
Delivered: 2008-2015  
Donjon Shipbuilding and Repair (USA),  
Chengxi Shipyard (China)



### Polsteam (Poland)

3 – 35,500 DWT bulk carriers  
Equipped with COMPAC & WQP  
Delivered: 2016  
Jiangsu Yangzijiang Shipbuilding (China)



### Sinotrans (China)

2 – 35,000 DWT bulk carriers  
Equipped with COMPAC bearings, WQP & ThorShield  
Delivered: 2010  
CSSC Guangzhou Huangpu Shipbuilding (China)





## Carisbrooke Shipping Ltd. (UK)

8 – cargo vessels – 4 ships at 8,500 DWT & 4 ships at 10,200 DWT  
Equipped with COMPAC bearings  
Delivered: 2011 - 2013  
Jiangsu Yangzijiang Shipbuilding (China)



## COSCO (China)

19 – container/dry cargo ships ranging from 17,350 DWT to 62,000 DWT  
Equipped with COMPAC (29), ThorShield (28), WQP (22) & SXL (1)  
Delivered: 2013 - 2023  
COSCO Dalian Shipyard, Nantong, Guangzhou, Shanghai Shipyard, Jiangsu Yangzijiang Shipbuilding Co Ltd (China)



## IMM International Maritime (Germany)

2 – dry cargo ships from 9,198 DWT to 9,228 DWT  
Equipped with COMPAC bearings  
Delivered: 2009  
Haiphong (Vietnam)



## Meriaura Group (Finland) - VG - Shipping

2 – 4,700 DWT dry cargo vessels  
Equipped with COMPAC bearings  
Delivered: 2016  
Royal Bodewes (Netherlands)



## Tanto Intim Line (Indonesia)

2 – 4,705 DWT general cargo ships  
Equipped with COMPAC bearings  
Delivered: 1995, 1997  
Keppel (Singapore), Novorossiysk Ship Repair (Russia)



## Unitra Maritime Co. Ltd. (Japan)

3 – 9,667 DWT dry cargo vessels  
Equipped with COMPAC bearings  
Delivered: 2008  
Nanjing Wujiayui Shipbuilding (China)







## **Eastaway Ship Management Pte Ltd (Singapore)**

1 – 36,222 DWT container ship  
Equipped with COMPAC system, WQP, BCM  
Delivered: 2021  
Zhoushan Changhong Intl Shipyard Co Ltd (China)



## **Interasia Lines Singapore Pte (Singapore)**

1 – 36,919 DWT container ship  
Equipped with COMPAC system, WQP, BCM  
Delivered: 2017  
Guangzhou Wenchong Shipyard (China)



## **Lithuanian Shipping Co. (Lithuania)**

1 – 4,470 DWT & 1 – 5,836 DWT 221 TEU container ships  
Equipped with COMPAC bearings  
Delivered: 2006 - 2007  
Western Shipyard (Lithuania), Tallin (Estonia)



## **Log-In Logistica Intermodal SA (Brazil)**

1 – 37,000 DWT 2,700 TEU container ship  
Equipped with COMPAC system, WQP, ThorShield & BCM  
Delivered: 2019  
Guangzhou Wenchong (China)





## **Matson Navigation Co. Inc. (USA)**

2 – 51,400 DWT 3,600 TEU container ships  
Equipped with COMPAC system, WQP & ThorShield  
Delivered: 2018 - 2019  
Philadelphia Shipyard (USA)



## **Northwestern Shipping (Russia)**

11 – container ships ranging from 1,706 DWT to 3,030 DWT 118 TEU  
Equipped with COMPAC bearings  
Delivered: 1993 - 2001  
Volgograd Shipbuilding (Russia)



## **Tropical Shipping (USA)**

2 – 4,233 DWT 300 TEU & 4 – 20,300 DWT 1,148 TEU container ships  
Equipped with COMPAC system, WQP & ThorShield  
Delivered: 2018 - 2019  
Guangzhou Wenchong Shipyard (China)







### Disney Cruise Lines (USA)

4 – cruise ships ranging from 85,000 GT to 124,000 GT  
Equipped with COMPAC bearings  
Delivered: 1998 - 1999, 2011 - 2012  
Fincantieri (Italy), Meyer Werft (Germany)



### MSC Mediterranean Shipping Co. (Switzerland)

4 – cruise ships ranging from 64,000 GT to 170,412 GT  
Equipped with COMPAC bearings  
Delivered: 2017 - 2023  
Fincantieri (Italy)



### MSC Crociere SpA (Italy)

1 – 64,000 GT cruise ship  
Equipped with COMPAC bearings  
Delivered: 2023  
Fincantieri-Cantieri (Italy)



### MSC Crociere SpA (Italy)

1 – 64,000 GT cruise ship. **On order.**  
To be equipped with COMPAC bearings  
Delivery: 2024  
Fincantieri-Cantieri (Italy)



### Oceania Cruises (USA)

2 – 65,000 GT cruise ships  
Equipped with COMPAC bearings  
Delivered: 2010 - 2011  
Fincantieri (Italy)



### P&O Cruises (UK) - Carnival Corp.

3 – cruise ships ranging from 116,000 GT to 143,730 GT  
Equipped with COMPAC bearings  
Delivered: 2008 - 2015  
Fincantieri (Italy)







## **Princess Cruise Lines (USA) – Carnival Corp**

15 – cruise ships ranging from 108,000 GT to 145,000 GT

Equipped with COMPAC bearings

Delivered: 1998 - 2022

Fincantieri (Italy), MHI (Japan)



## **Regent Seven Seas Cruises (USA) – Norwegian Cruise Lines**

4 – cruise ships ranging from 54,000 GT to 67,000 GT

Equipped with COMPAC bearings

Delivered: 2016 - 2023

Fincantieri (Italy)



## **Seabourn Cruise Lines (USA) - Carnival Corp.**

4 – cruise ships ranging from 32,200 GT to 40,350 GT

Equipped with COMPAC bearings

Delivered: 2009 - 2017

Mariotti (Italy)



## **Viking Ocean Cruises (Switzerland)**

7 – 47,800 GT cruise ships

Equipped with COMPAC bearings

Delivered: 2015 - 2021

Fincantieri (Italy)





### Alaskan Ferries (USA)

2 – Alaska Class ferries  
Equipped with COMPAC bearings  
Delivered: 2018  
Vigor Industrial Shipyard (USA)



### Anek Lines (Greece)

1 – 9,851 GT ferry  
Converted to SXL bearings & ThorShield  
Delivered: 2015



### ANMEZ AE (Greece)

1 – 6,307 GT passenger ferry  
Equipped with SXL bearings  
Delivered: 2013  
Elefsis Shipyard (Greece)



### BC Ferries (Canada)

10 – ferries ranging from 6,555 GT to 6,969 GT  
Equipped with COMPAC bearings  
Delivered: Since 2003  
Washington Marine Group (Canada)



### Finnlines Plc (Finland)

2 – 65,692 GT ferry. **On order.**  
To be equipped with COMPAC bearings  
Delivery: 2023  
China Merchants Jinling Shipyard (China)



### Grimaldi Group (Italy)

2 – 49,257 GT ferries  
Equipped with COMPAC bearings  
Delivered: 2001 - 2002  
Marina di Carrara (Italy)





## New York City Staten Island Ferries (USA)

3 – 5,901 GT ferries  
Equipped with COMPAC bearings  
Delivered: 2004 - 2006  
Marinette Marine (USA)



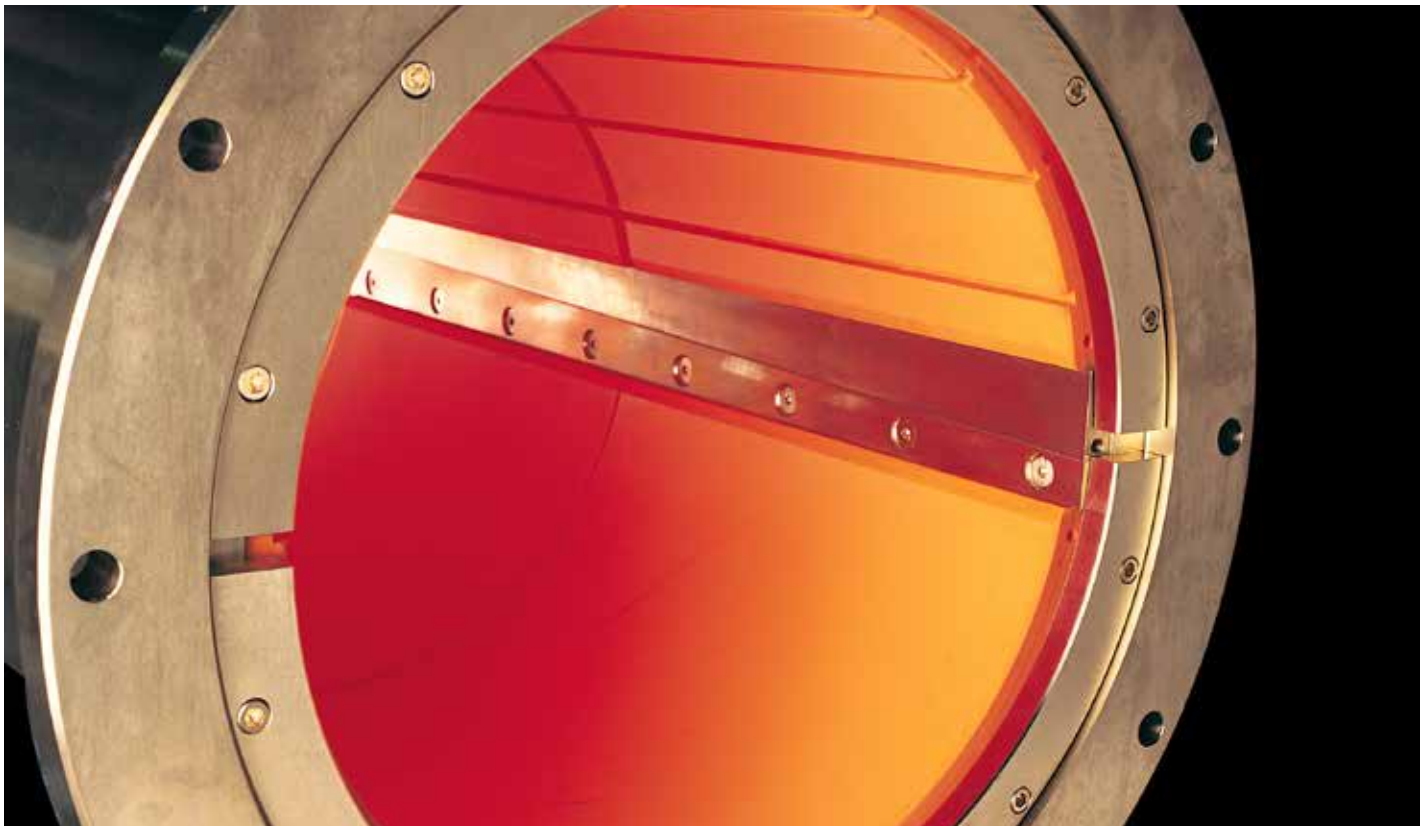
## Sado Kisen (Japan)

1 – passenger ferry  
Equipped with SXL bearings  
Delivered: 2014  
Kanda Shipyard (Japan)



## Société des traversiers du Québec (Canada)

8 – ferries ranging from 392 GT to 2,903 GT  
Equipped with COMPAC bearings, SXL bearings, XL bearings,  
ThorShield, ThorCoat  
Delivered: 1982 - 2021  
MIL Davie Industries, RMH Industries, Verrault Navigation  
(Canada)







## Alaskan Tanker Company (USA)

4 – 193,049 DWT oil tankers  
Equipped with COMPAC bearings  
Delivered: 2004 - 2006  
NASSCO (USA)



Photo: Krispen Atkinson



## COSCO (China)

4 – 7,500 DWT tankers  
Equipped with COMPAC system, WQP & ThorShield  
Delivered: 2018  
Chengxi Shipyard (China)



## ConocoPhillips (USA)

5 – 141,739 DWT oil tankers  
Equipped with COMPAC bearings, WQP & ThorShield  
Converted: 2010 - 2012  
Sembawang Shipyard (Singapore)



## Fangchenggang City Hengsheng (China)

2 – tankers ranging from 2,500 DWT to 3,050 DWT  
Equipped with COMPAC bearings  
Delivered: 2008 - 2012  
Wuhan Nanhua, Hubei Huanggang Shipyard (China)



## Fortune Marine Company Ltd. (South Korea)

4 – 6,500 DWT tankers  
Equipped with COMPAC bearings  
Delivered: 2008 - 2009  
Pharung Shipyard (Vietnam)



## Group Desgagnés (Canada)

4 – 15,100DWT tankers  
Equipped with COMPAC bearings & WQP  
Delivered: 2017 - 2019  
Besiktas Shipyard (Turkey)





## Keo Young Shipping Co. Ltd. (South Korea)

2 – Tankers ranging from 2,747 DWT to 3,919 DWT  
Equipped with COMPAC bearings  
Delivered: 2007 - 2008  
Onishigumi Zosensho (Japan)



## Lavark Shipping AS (Norway)

3 - 3,480 DWT tankers  
Equipped with COMPAC bearings  
Delivered 2004-2005  
Bodwes Shipyard (Netherlands)



## Lower Lakes Towing (Canada)

1 – 14,986 DWT tanker  
Converted to COMPAC system, WQP & ThorShield  
Delivered: 2015  
Chengxi Shipyard (China)



## Orkim Ship Management (Malaysia)

5 – tankers ranging from 9,000 DWT to 14,500 DWT  
Equipped with COMPAC bearings & WQP  
Delivered: 2020 - 2021  
Fujian Southwest Shipyard (China)



## Palmali Group (Turkey)

11 – 6,600 DWT tankers  
Equipped with COMPAC bearings  
Delivered: 1999 - 2009  
BLTR (Estonia), Volgograd, Krasnoye Sormovo (Russia)



## Xin Yuan Ocean Shipping (China)

2 – 12,000 DWT asphalt/bitumen tankers  
Equipped with COMPAC bearings  
Delivered: 2011 - 2012  
COSCO, Navy 4807 Shipyard (China)





## China Oilfield Services Limited (China)

8 – AHTS vessels from 2,693 DWT to 2,745 DWT

Equipped with COMPAC bearings

Delivered: 2015 - 2016

Fujian Mawei Shipbuilding, Shanghai Shipyard,  
Wuhan Shipbuilding (China)



## Great Offshore (India)

3 – AHTS vessels ranging from 2,339 DWT to 3,319 DWT

Equipped with COMPAC bearings

Delivered: 2007, 2009, 2010

Great Eastern Shipping (India)



## Seacor Marine (USA)

5 – 4,500 DWT AHTS vessels

Equipped with COMPAC bearings

Delivered: 2007 - 2008

Bender Shipbuilding (USA)



## Tidewater Inc. (USA)

5 – AHTS vessels ranging from 3,297 DWT to 4,500 DWT

Equipped with COMPAC bearings

Delivered: 2005 - 2006

ENVAI Shipyard (Brazil)







### **COSCO (China)**

2 – 18,500 DWT car carriers, 1 – 90,000 DWT semi-submersible vessel  
Equipped with COMPAC bearings, WQP & ThorShield  
Delivered: 2009 - 2017  
COSCO Zhoushan, Nangtong, Shanghai, Guangzhou (China)



### **Heerema Engineering Services (Netherlands)**

2 – 59,344 DWT offshore vessels  
Equipped with COMPAC bearings  
Delivered: 2001, 2004  
Drunen, Verolme Botlek Shipyard (Netherlands)



### **Heroyhav (Norway)**

1 – fishing vessel  
Equipped with COMPAC bearings  
Delivered: 2013  
Karstensen Shipyard (Norway)



### **Louis - Dreyfus Armateurs (France)**

3 – cable ships ranging from 9,820 DWT to 10,000 DWT  
Equipped with COMPAC bearings  
Delivered: 2001 - 2002  
Hyundai Mipo Shipyard (South Korea)



### **PEVASA Group (Spain)**

1 – tuna fishing vessel  
Equipped with COMPAC bearings & WQP  
Delivered: 2014  
Astilleros de Murueta Shipyard (Spain)



### **Zamil Offshore Services Co Ltd (Saudi Arabia)**

3 – offshore vessels ranging from 72 DWT to 751 DWT  
Equipped with SXL & XL bearings  
Delivered: 2022 - 2003  
Grandweld (UAE),  
Zamil Offshore Services Co Ltd. (Saudi Arabia)





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**Revised:** September 5, 2023