Pacific Basin

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Virtual Investor Day

22 September 2020



Virtual Investor Day

22 September 2020, Tuesday 3.30pm-6.30pm HKT

3.30pm

Mats Berglund, CEO – Introduction

~4.05pm

Surinder Brrar, Director, Chartering (Pacific) - Outperforming in all markets

~4.30pm

Suresh Prabhakar, Director, Operations - Overview of Commercial Operation

~4.55pm

Harshavardhan Bhave, General Manager, Technical - Ship Management of PB Owned Fleet

~5.20pm

Morten Ingebrigtsen, Director, Asset Management - Resilient Demand and Improving Supply

~5.55pm

Peter Schulz, CFO - Forecasting Our Business

~6.20pm Mats Berglund, CEO – Closing Remarks



Mats Berglund

Surinder Brrar

Suresh Prabhakar



Bhave

Morten Harshavardhan Ingebrigtsen



Peter Schulz

The above timing for each presentation is just for reference only

Introduction

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Mats Berglund CEO



- World's largest owner and operator of modern Handysize & Supramax ships
- Cargo system business model consistently outperforming market rates
- About 230 ships on the water, including 117 owned, serving major industrial customers around the world
- Hong Kong headquartered and HKEx listed, 12 offices worldwide, about 350 shore-based staff, about 4,000 seafarers
- Strong balance sheet with US\$350 million committed liquidity as of 30 June 2020
- Our vision: To be a shipping industry leader and the partner of choice for customers, staff, shareholders and other stakeholders





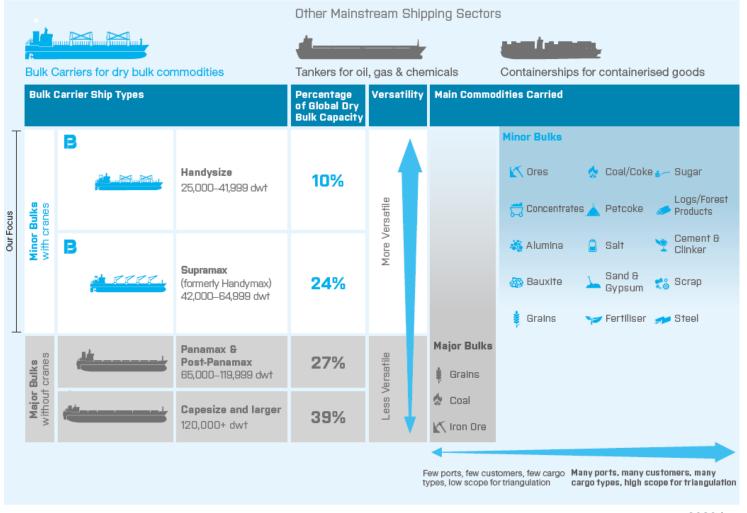
www.pacificbasin.com Pacific Basin business principles and our Corporate Video

2020 Investor Day



Understanding Our Core Market

The Dry Bulk Sector

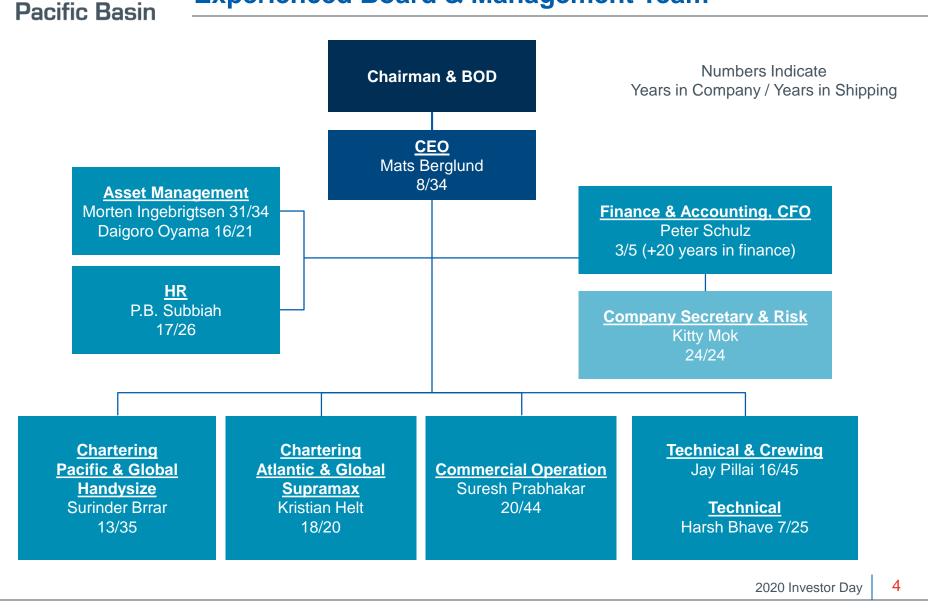


2020 Investor Day

From Annual Report 2019

With you for the long haul

Experienced Board & Management Team





Pacific Basin Values

We are passionate about our customers, our people, our business and our brand We target excellence and success through dedication and teamwork, and see everyone in Pacific Basin as a corporate ambassador

We honour our commitments and value long-term relationships over short-term gain Everyone in Pacific Basin is a corporate ambassador – each of us embodies these values and creates excellence through dedication, continuous improvement and teamwork. We are caring, good humoured and fair, and treat everybody with dignity and respect, encouraging diversity of opinions and cultures

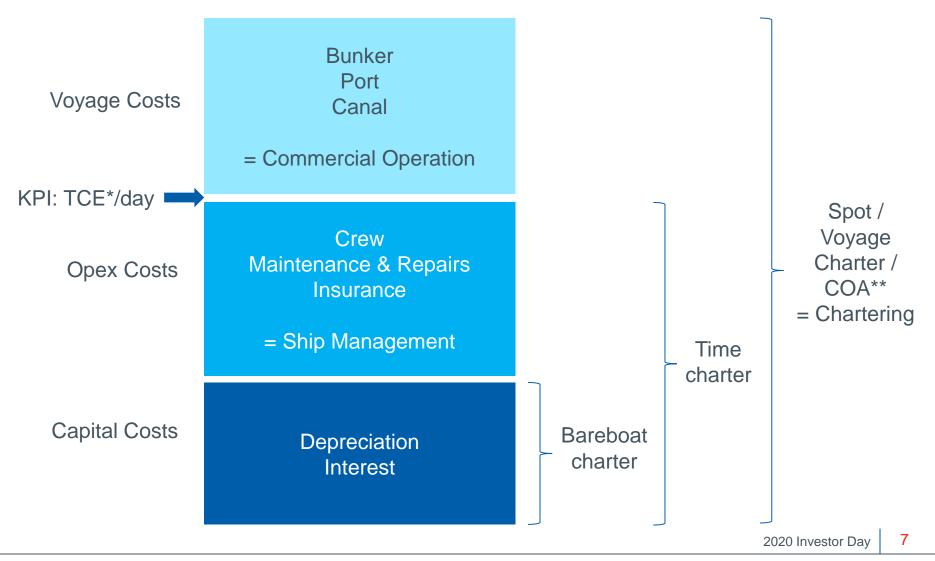
We take a sustainable business approach and promote high standards of safety and environmental stewardship We offer a personalised, flexible, responsive and reliable service, and look for ways to make it easier to do business with us

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Shipping Terminology



* TCE = Time Charter Equivalent ** COA= Contract Of Affreightment



Our business model has been refined over many years. We are able to generate a TCE earnings premium over market rates because of our high laden percentage (minimum ballast legs), which is made possible by a combination of:

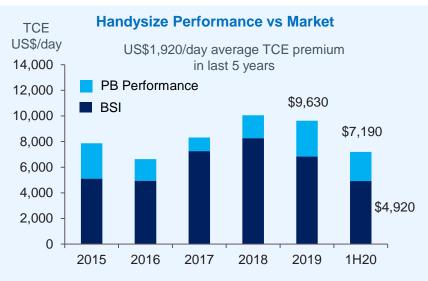
- Versatile ships and diverse trades in minor bulk
- Fleet scale
- High-quality interchangeable ships
- Experienced staff
- Global office network
- Cargo contracts, relationships and direct interaction with end users
- High proportion of owned vessels facilitating greater control and minimising trading constraints



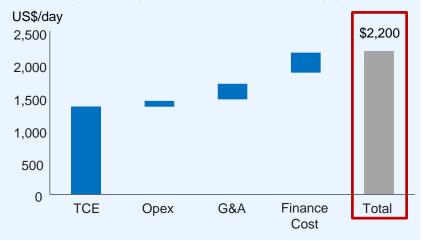
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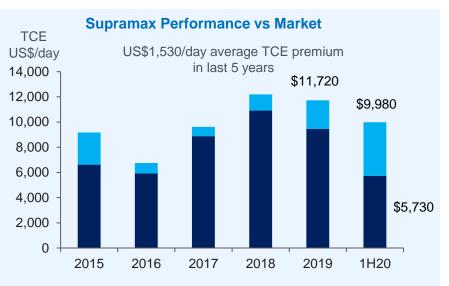
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Pacific Basin Continues to Outperform on Every Level

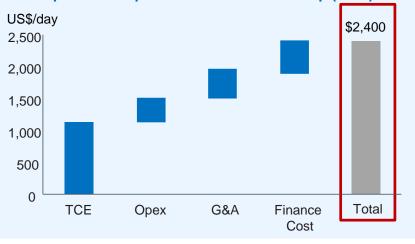


Handysize Outperformance vs Peer Group (2019) *





Supramax Outperformance vs Peer Group (2019) *



* Peer Group consists of all companies active in our Handysize and Supramax segments with sufficient publicly available information to make a relevant comparison. Comparable finance costs per day are estimated using specific company lending rates but generic vessel values and leverage levels

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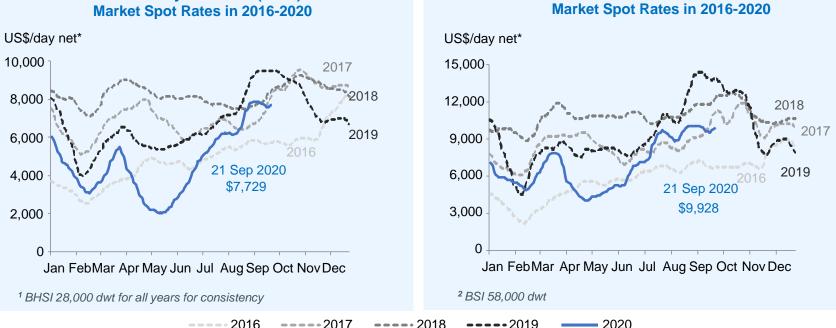
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Market Rates have Improved Significantly since May

Baltic Supramax Index (BSI)²

Baltic Handysize Index (BHSI)¹ Market Spot Rates in 2016-2020

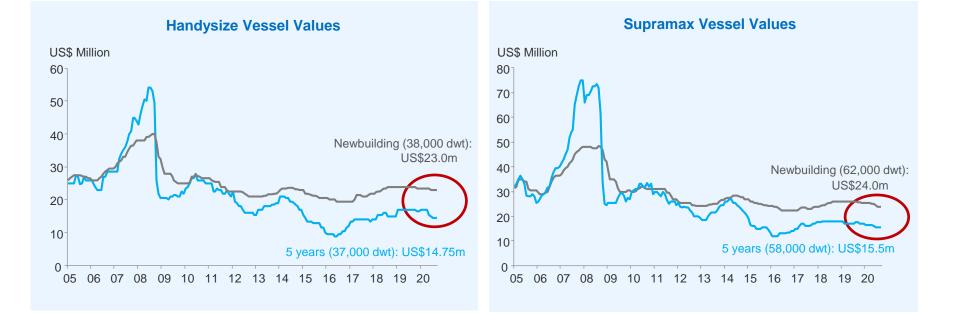


- In a challenging half-year dominated by Covid-19, we delivered a positive EBITDA of US\$79 million and outperformed Handysize and Supramax market rates by US\$2,270 and US\$4,250 per day respectively
- We have observed increasing levels of trade and enquiries in recent months, especially from China, causing index rates to double since the low point in early May
- Crew changes remain our (and our industry's) largest operational problem. This is due to entry, exit and quarantine restrictions, and also due to extremely few flights in and out of China. We are working hard with authorities and industry organisations to push for solutions

* excludes 5% commission

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Improved Rates Supports Vessel Values



- Vessel market values are down about 15% since the end of 2019, but values are now bottoming out, supported by the stronger freight rates
- Large gap between newbuilding and secondhand prices continues to discourage new ship ordering
- We see good upside in secondhand values

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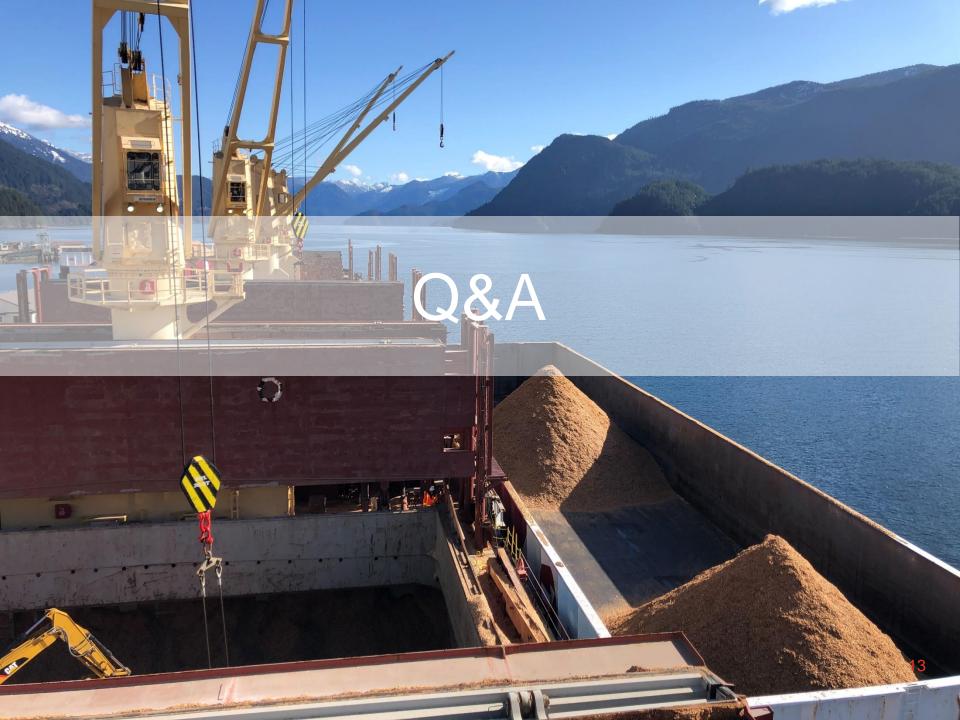


- Maintain and grow our cargo focus and scale as both a fully integrated owner and operator – Both asset heavy and asset light
- Empowered local chartering and operations teams close to customers

 With best in class centralised support and systems
- Continue our Supramax fleet growth and Handysize renewal strategy, acquiring quality secondhand ships and divesting older, smaller vessels

 Continue to reduce long-term chartered ships
- Secondhand vessel acquisitions temporarily paused in 1H due to extremely uncertain market conditions – but will consider resuming acquisitions once market stabilises and if we find particularly compelling opportunities
- No new ordering of old technology ships
 - Due to high prices and low returns, and as new regulations will change ship designs and technology – Wait until low-emission ships become technically and commercially viable
- We are investing in further optimisation, systems and process improvement Both on board and ashore, including fuel and energy savings, automation, software and AIS data
- Keep building our brand

 Long-term thinking, in-house ship management, safety, care and quality in everything we do
- Keep our balance sheet and liquidity strong



Outperforming in all markets

Surinder Brrar, Director, Chartering Pacific

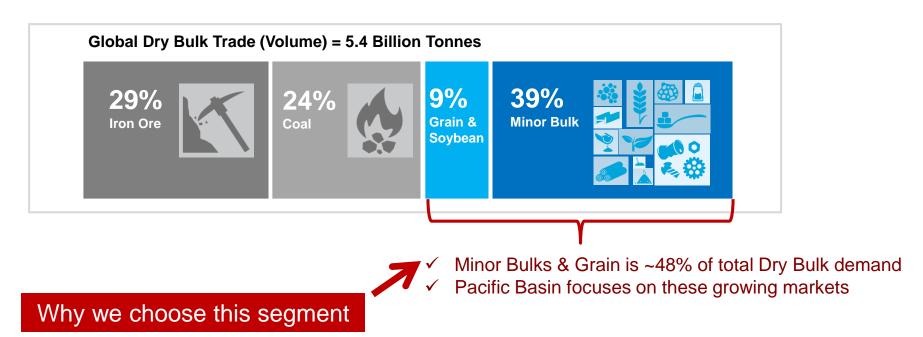


Our Vision

"To be a leading ship owner/operator in dry bulk shipping, and the first choice partner for customers and other stakeholders."

- Total global dry bulk trade volumes of 5.4B MT pa
 - What choices have we made in the cargo segments?
- Total global dry bulk fleet of 11,500 ships
 - What choices have we made in the vessel sizes?
- Our people and network of offices
 - What choices have we made in our people and global office network?
- Our trading patterns
 - What choices have we made in our trading patterns?





- More diverse customer, cargo and geographical exposure enables high utilisation
- Lower volatility in overall demand is key to developing better cargo systems
- A segment where global scale and local operational expertise make a difference
- Opportunity for better daily TCE earnings than the market average by achieving high laden-to-ballast ratio
- Sound long-term demand expectations and more modest fleet growth

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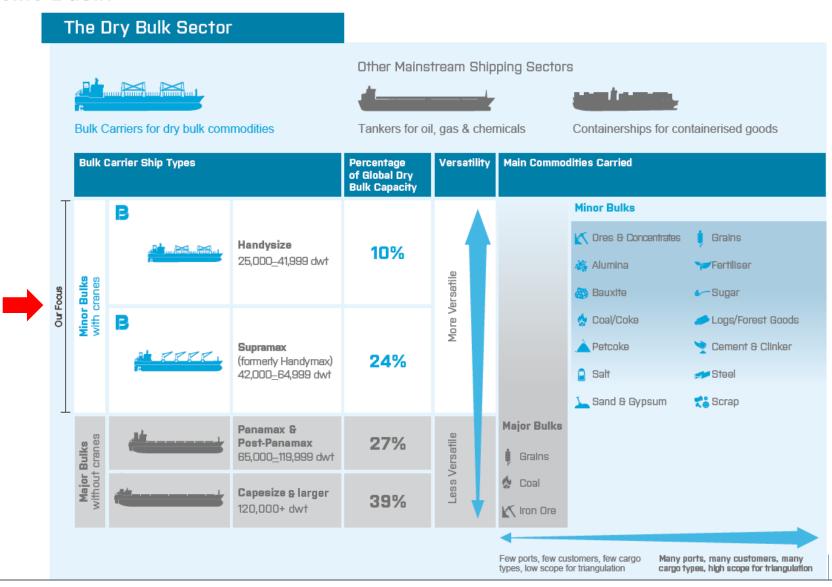
Diverse Cargoes, Customers and Geographically



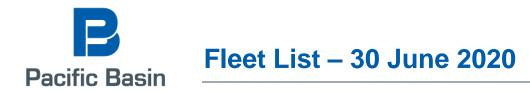
- Diverse range of commodities reduces cargo risk
- Diverse customers reduces counterparty risk
- Diverse geographically increases resilience and improves our capability to keep our ships laden % high

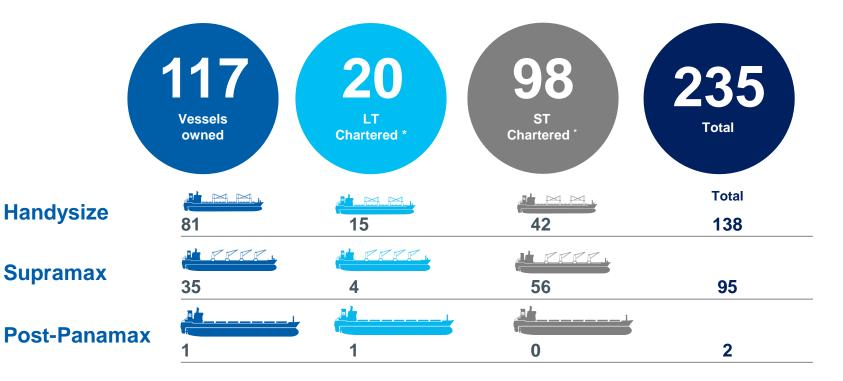
Minor Bulk Ships: Our Strategic Focus

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Average age of core fleet: 9.6 years old

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Our Worldwide Network



- Experienced commercial and operations staff around the world
- Being local facilitates clear understanding of and response to customers' needs and first-rate personalised service
- Better access to cargoes, better direct relationships, quicker and better view of customer demand



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Our People

- Diverse backgrounds 28 nationalities
- Well established trainee program since 2008
- Staff given global exposure
- Emphasis on shipping as a career, not just a job
- Preference for internal promotions and succession
- Lateral hires at mid-management level bringing fresh knowledge, new ideas
- Passion for our business and our brand









- A normal cargo system comprises 1 empty ballast leg + 1 laden fronthaul leg
- By combining backhaul and fronthaul cargoes, we achieve higher utilisation and outperform the market (Baltic Exchange indices)
- Operating activity also contributes to our profitability



Core Business	1H20 (US\$)	Last 12 months (US\$)
Handysize outperformance vs index per day	2,270	2,290
Supramax outperformance vs index per day	4,250	2,550
Operating Activity	1H20	Last 12 months
Operating Margin per day	1,790	1,400

- Strong outperformance in Supramax is also due to significant scrubber benefit early in the year
- So far, we have achieved a net saving of US\$23.1 million on our scrubbers representing 38% of our original investment. US\$7.4 million of the saving was achieved by closing out bunker price spread hedges
- Our outperformance tends to narrow in a rising market due to the 1-3 month lag between spot market fixtures and execution of voyages



Commercial Operation

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Suresh Prabhakar, Director, Operations



Functions of Commercial Operations

Cargo Engagement Vessel Engagement Voyage Management Voyage Closing		
Chartering	Commercial Operations	Commercial Operations / Voyage Accounts
 ✓ Fix Cargoes ✓ Use Owned Ships ✓ Use Charter-in Ships 	 A. Efficiently execute every voyage B. Oversee Vessel Delivery and Redelivery matters C. Port Management D. Cargo Operations & Cargo Care E. Documentation: Bills of Lading & others F. Fuel Management G. Optimized execution of Sea Voyages 	Management of Voyage Accounts

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- Motivated Staff
- Proficient Fuel Management
- Good Cost Control
- Cargo Hold Preparation
- Handling Complex Cargoes and Trades
- Voyage Optimization
- Effective use of Technology

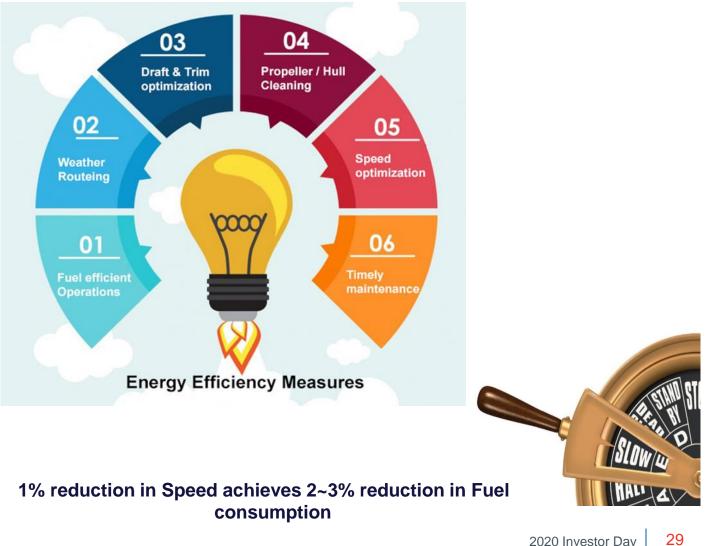
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Voyage Optimization: Energy Efficiency Measures



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Major Cargoes we Transport: Grain



Discharging Wheat: San Antonio, Chile



Loading Wheat: Vancouver, Canada



Discharging Corn: Bangladesh

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Major Cargoes we Transport: Construction Material



Loading Cement: Kanda, Japan to Timaru, New Zealand





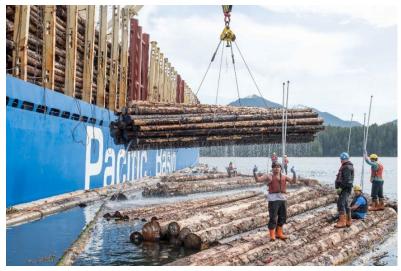
Discharging Cement : Hong Kong



Loading Slag: Kimitsu, Japan to Brisbane, Australia 2020 Investor Day 31



Major Cargoes we Transport: Logs



Loading Logs: BC, Canada

Loading Logs: New Zealand





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We also Transport: Minor Bulk Cargoes



Loading Potash: Vancouver, Canada



Discharging Soda Ash: Malaysia

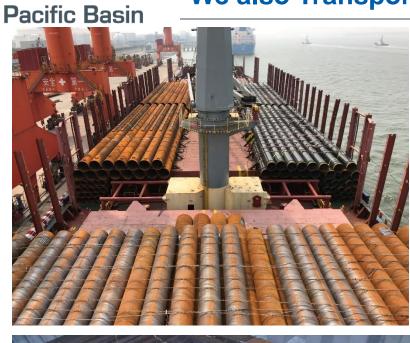


Loading Salt: Chile



Loading Armour Stone: Indonesia to Japan 2020 Investor Day 33

We also Transport: Steel Products





Loading Pipes on deck: China to Vancouver BC, Canada

Loading Cold Rolled Coils and Tubes: China to Central/South America

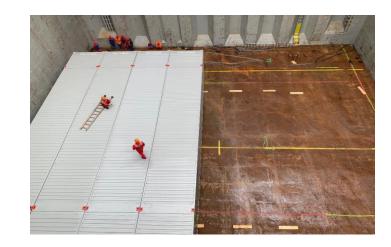
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Loading Mobile Homes: China to Port Hedland, Australia



Loading Containers: China to Long Beach, USA



Loading Bagged Rice: Rio Grande, Brazil to Dakar, Senegal

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Loading Diesel Oil Tanks: China to Australia



Loading Coal Wagons: China to Gladstone, Australia

Loading Windmill Blades: China to Peru

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Cargo hold cleaning by Ship's Crew stationed on Manlifts to remove Cement residues by using high pressure washers



Hold cleaning using HP Washer

HP fresh water washing



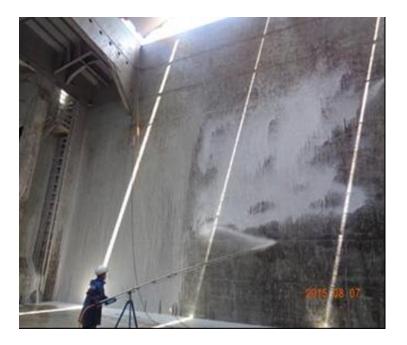
Ship's Crew removing hardened Cement in cargo holds





Cargo hold cleaning by Ship's Crew to remove Coal stains





Cargo Hold Preparation: From Dirty to Clean cargoes

Green Delayed Petcoke stains: Condition of Cargo Holds BEFORE cleaning



Cargo Hold condition AFTER completion of cleaning by Ship's Crew

Pacific Basin





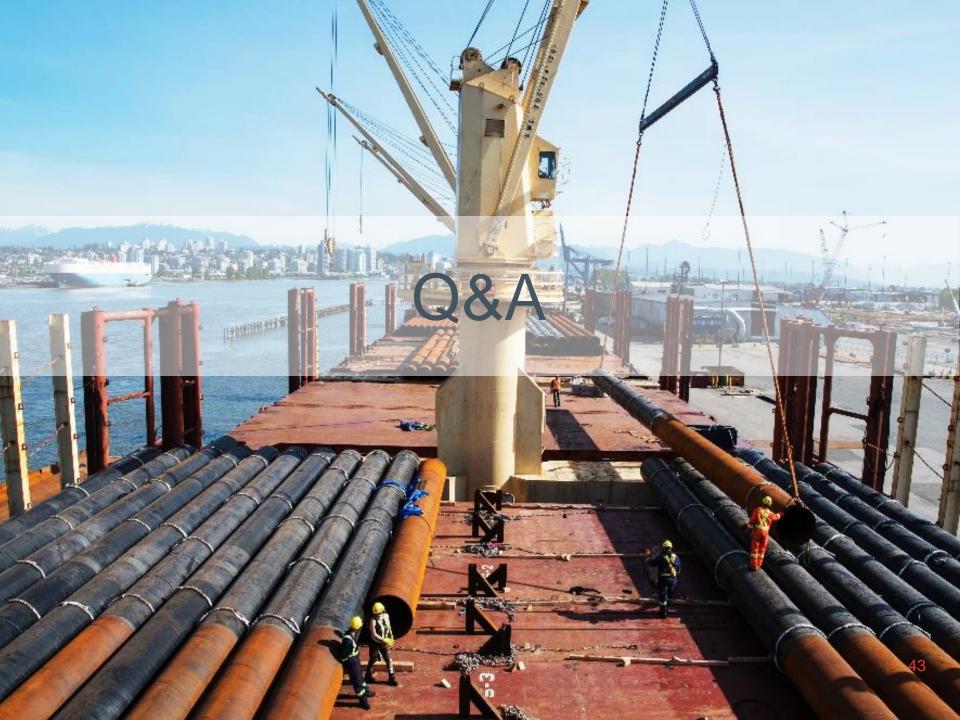


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In Summary, our Commercial Operations team hugely contributes to our Out Performance through,

- An experienced team of dedicated and motivated professionals spread across our global office network
- Outstanding Fuel Management
- Good attention to detail on Cost Control
- Strong ability to work closely with Ships' Crew and 3rd Party Contactors to undertake challenging Cargo Hold cleaning tasks and Handle Complex Cargoes and Trades
- Focused Voyage Optimization on every voyage with a continual improvement and implementation process
- Effective use of Technology



Ship Management of PB Owned Fleet

Harshavardhan Bhave, General Manager, Technical





Our vision: to be a leading ship owner/operator in dry bulk shipping, and to be the first choice partner for customers and other stakeholders

Our mission: to be the best in our field by continuously refining our business model, our service and our conduct in everything we do

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In- House Ship Management of Owned Fleet

We manage and inspire over 4,000 People at sea and on shore to manage our owned fleet with focus on safe & efficient operation of Owned Fleet

- Tailor-made solutions to complement our commercial operations and trading
- Exemplary safety record
- Cost-efficient operation
- Recruiting, training and retaining capable crew





Close interdepartmental co-operation to facilitate business

- Modification of ships to carry more diverse cargos
- Proactive measures for specific trades such as USWC log loading
- Careful risk assessment to ensure safety on challenging routes
- Speed Reduction Program to balance 'cost of fuel' against 'cost of time'
- Initiative to increase our ship's cargo carrying capacity
- Flexibility, transparency and fast decision making enabled by proximity of Technical and Commercial teams



Employer of Choice for our ship crew as a reliable Ship Owner with clear focus on their safety and well-being

- Selection and retention of competent and capable officers and ratings to operate the ships
- Two main crew pools PRC and Philippines
- FSU and HK Officers
- Opportunity to work with a Ship Owner
- Good Career prospects in expanding fleet

Crew Pools	
PRC Officers + PRC Ratings	44
PRC officers + FIL ratings	18
Fil/ FSU+ Fil ratings	54





	Senior Officers	Junior Officers	Ratings	Overall Crew	
Retention Rate %	95	95	80	87	

Leisure on Board

- Indoor sports, games entertainment equipment
- Entertainment budget to buy welfare items
- Free mail to/from vessel
- Free e-mail computer accessible to all crew
- Free daily news service in crews' language





Safe Operation

- Development of effective policies and procedures for safe operation
- Comprehensive programs for seafarer training and development on board and ashore
- Continuous review of policies and compliance
- Implementation of various campaigns to create a safe culture
- Crew seminars to convey company philosophy and vision to ship staff

What can go wrong?What factors can cause it to go
wrong?What shall I do to prevent it going
wrong?





Loss Time Injury Frequency/

Total Recordable Case Frequency

	Pacific Basin	Industry*
LTIF	0.6	0.89
TRCF	1.2	2.55

Port State Inspections

Port State Control Inspections	Pacific Basin	Hong Kong**
Deficiencies/ inspection	0.60	1.23
Nil deficiency inspections	76.79%	64.63%



- Hong Kong Marine Department Award 2019
 - Outstanding Performance award in global Port State Control inspections eleven times in twelve years



Орех	Industry average*	PB 2018	PB 2019	PB 2020 June
Handysize	4,358	3,877	4,101	3,944
Supramax	4,634	3,778	4,009	3,955

* Source BDO Opcost 2018

- Optimized Engine crew on UMS ships
- Utilization of commonalities across the fleet as in-house manager for single owner
- Procurement efficiency with strategic use of entire fleet
- Pro-active learning from detailed incident investigations and industry incidents
- Dedicated team of ex-sailing Masters and Chief Engineers in office to provide 24x7 support to the ship crew.
- Effective and cost-efficient docking of all ships in China



High Maintenance Standards

- Operate vessels till 25 years age
- Maintain vessels to 'five year old standard'
- Planned maintenance system and proactive repairs during docking



Block Island (built 2012)



Champion Bay(built 2000)

Port Kenny (built 2004)

Otago Harbour (built 2004)



Ballast Water Treatment System

- 11 ships delivered with BWTS installed, 55 ships retrofit and 50 remaining
- BWTS based on filtration & disinfection selected due to one time treatment during uptake only and low power requirement

Scrubbers (IMO 2020 Sulphur Cap compliance)

- Retro-fitted on most of our Supramax vessels
- All Installations completed on time and on budget to maximize returns in 1H 2020

Increase cargo carrying capacity

 Innovative project to increase the cargo carrying capacity of 31 of our ships by up to 5% and maximize revenue





IMO Goals for GHG reduction

- Reduce CO2 emissions by 40% per transport work in 2030 compared to 2008
- Reduce total CO2 emissions by 50% in 2050 compared to 2008

Pacific Basin activities

- Low emission per transport work due to efficient operation with high laden ratio
- We have reduced our CO2 intensity by about 26% since 2008 due to fleet modernization and speed reduction
- Investigating various methods to improve efficiency further including trim optimisation, voyage optimisation and peak pressure optimisation
- Adoption of various initiatives for efficiency improvement and reduction of waste
- Member of Getting to Zero Coalition



Top global & regional industry awards in 2019

- Lloyd's List Asia Pacific Awards 2019
 - Excellence in Dry Bulk Shipping
- International Bulk Journal Awards 2019
 - People Development Award



Notable other awards in recent years

- Dry Bulk Operator of the Year at Lloyd's List Global Awards 2018
- Company of the Year at Lloyd's List Global Awards 2017
- Safety Award at Lloyd's List Global Awards 2016
- Ship Operator Award at Lloyd's List Awards Asia 2015 and 2016
- Shipping Company of the Year at BIMCO Awards 2014
- Ship Manager of the Year and Environment Award at Lloyd's List Asia Awards 2011
- Environment Award at Lloyd's List Global Awards 2011 and IBJ Awards 2012
- Seafarer of the Year at Lloyd's List Global Awards 2011 - (Captain Zhu Qianchun)



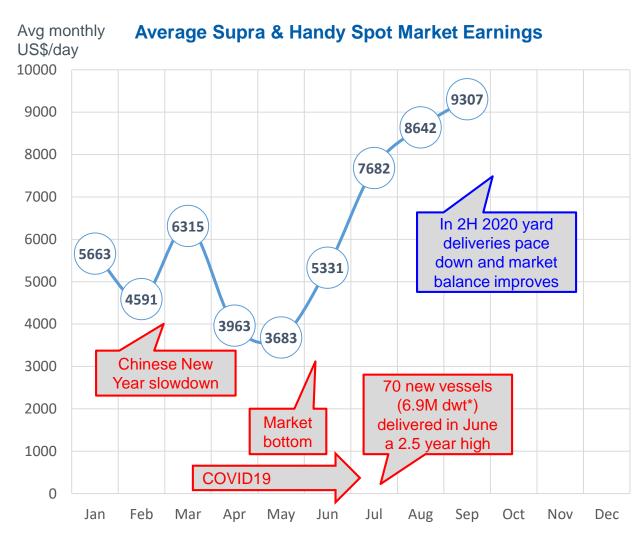
Resilient Demand and Improving Supply

Morten Ingebrigtsen, Director, Asset Management



- Handysize and Supramax average index earnings represent the lowest Q2 on record
- The dry bulk market has in 2H 2020 proven to be remarkably resilient in light of strong supply pressure and COVID19 headwind plus the ongoing trade war
- Fleet growth was at a multi-year high in 1H but has in 2H reduced and will continue to decline
- Appetite for ordering new tonnage is limited by design uncertainty
- Orderbook is at a multi-decade low and falling
- Improved freight market conditions are evidence of better-than-expected cargo flows much supported by grain trades and strong Chinese import demand while key coal trades have suffered a COVID19 setback in 2020





Despite high fleet growth (peaking in 1H) plus increased vessel speed adding to supply as well as COVID19 continuing to depress economic activity, the market balance has improved in 2H. The bottom for earnings was in May after which the market has improved to the highest level so far this year. It is far from great but demonstrates dry bulk

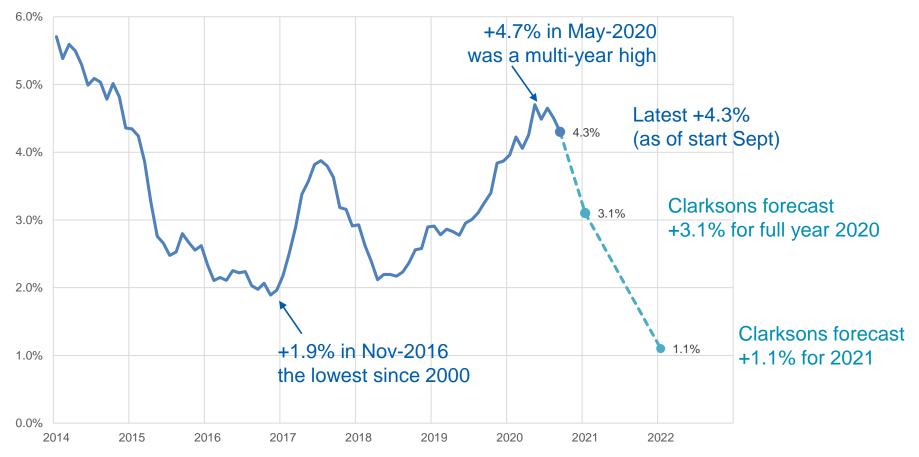
market resilience under unusual and difficult conditions.

* All dry bulk



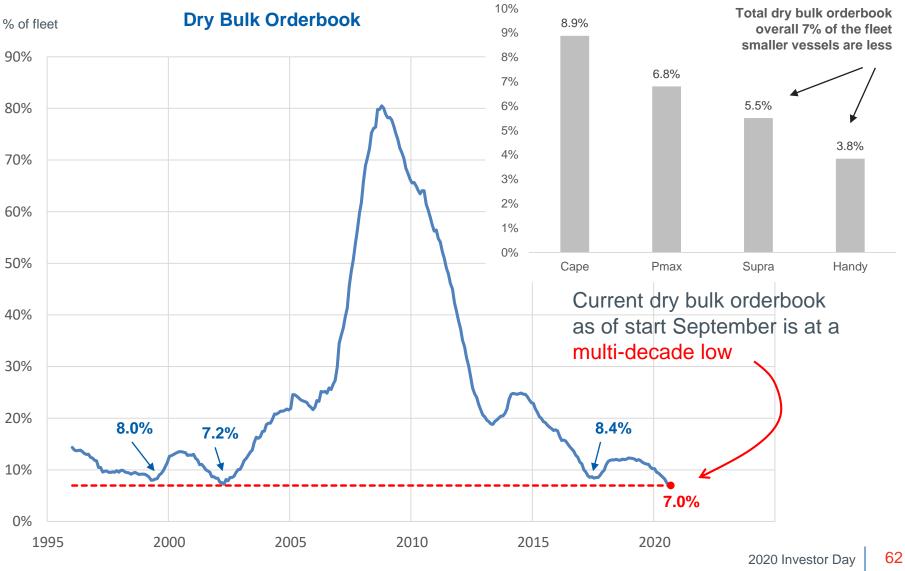
Net Fleet Growth Peaked at a Multi-Year High in May 2020 and is Now in Decline

Year-on-Year Net BC Fleet Growth





Dry Bulk Orderbook is at a Multi-Decade Low and Set to Decline Further

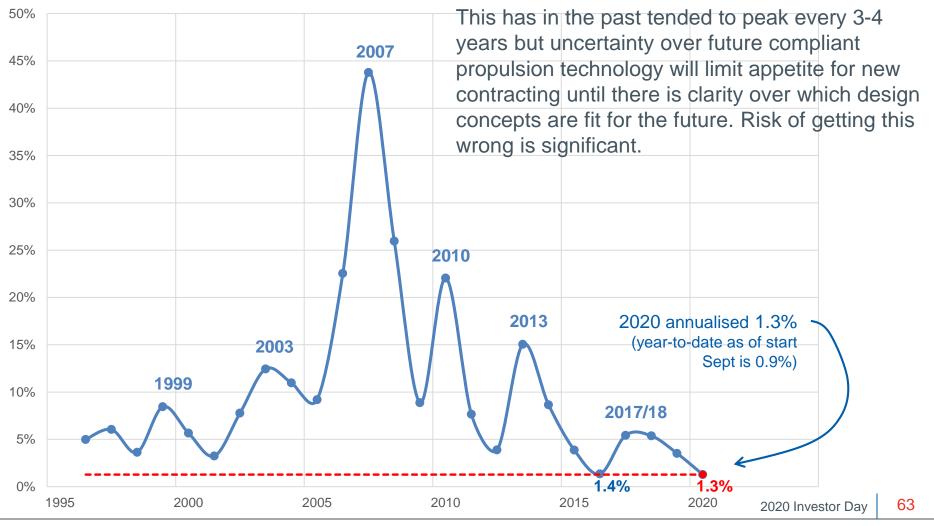




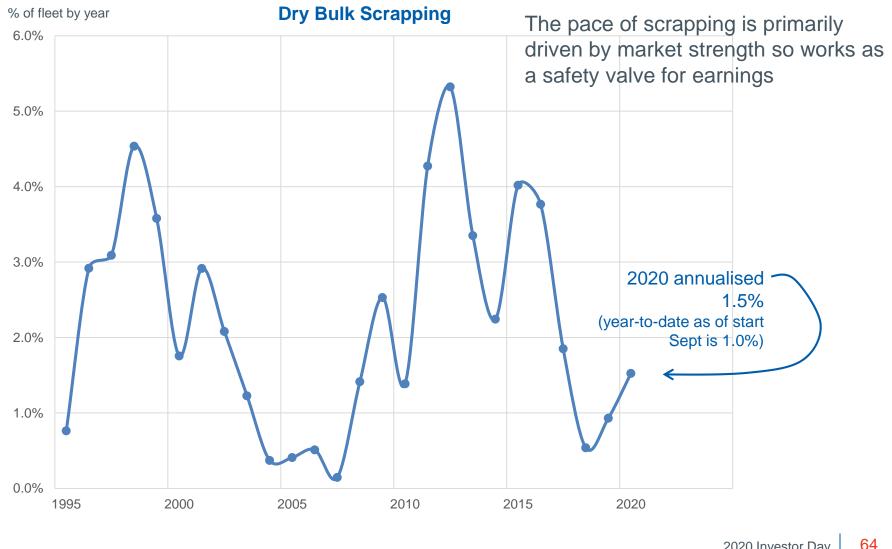
Dry Bulk Contracting is Declining while There is Uncertainty Over Future Design Concepts

% of fleet by year

Dry Bulk Contracting



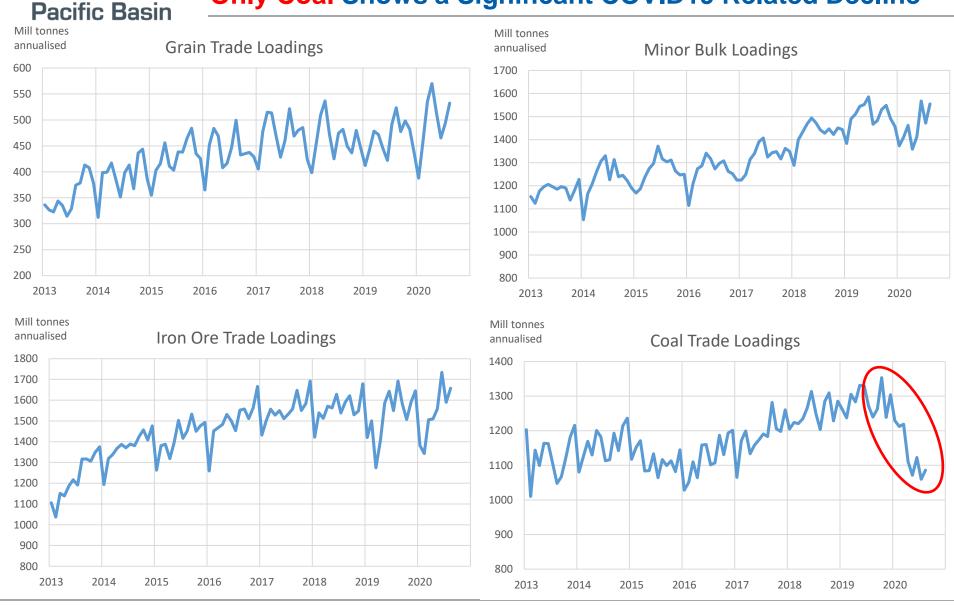
Scrapping has Increased from Last Year But Remains Low in a Long-Term Perspective



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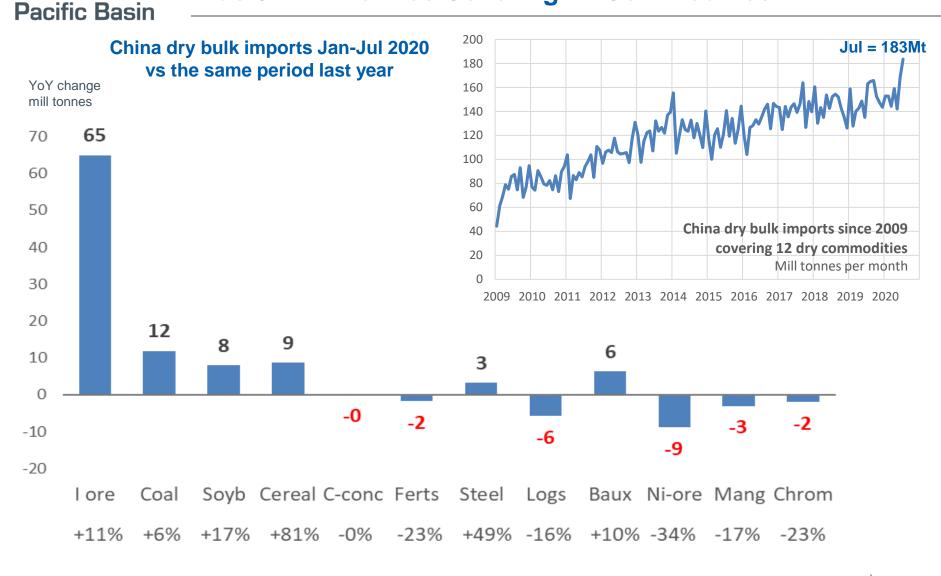
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Global demand: Out of the Four Main Cargo Groups Only Coal Shows a Significant COVID19 Related Decline



Source: AXS Marine as of 15 Sept 2020 with the month of Aug as the last data point







Dry Bulk Market Risks and Opportunities

<u>Risk</u>:

- COVID19 flare-up
- Economic decline
- De-globalisation
- Trade War escalation
- Shift away from coal
- China industrial peak
- Increased ordering & deliveries
- Reduced vessel speed

Opportunities:

- Vaccine/normalisation
- Economic recovery / catch-up effect
- Trade War de-escalation
- Economic stimulus
- Reduced NB deliveries
- Increased scrapping
- Higher oil price = lower vessel speed



- As a starting point, the dry bulk freight market today is better balanced than expected - given unusual and difficult circumstances for supply as well as for demand
- We believe the worst is behind us in terms of COVID19 effect on vessel demand and with upside from a normalisation
- We believe we are past the worst in terms of supply pressure/fleet growth and uncertainties over future compliant design to meet future emission standards will limit appetite for new contracting in the years ahead



Forecasting our Business

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Peter Schulz CFO



Core Business	Operating Activity
Contract and spot cargoes	Spot cargoes
Owned and long-term chartered ships Short-term ships carrying contract cargoes	Short-term ships carrying spot cargoes
Costs largely fixed and disclosed	Costs fluctuate with freight market
Key KPI = TCE per day	Key KPI = Margin per day
Significant leverage and profits in strong market	Contribution both in weak and strong markets
Asset heavy – our own crews / quality / safety	Asset light – third party crews / quality / safety (harder to control quality)
Enables reliability, cargo contracts, brand name	Enhances and expands the service to our customers
Currently about 80%-85% of total vessel days	Currently about 15%-20% of total vessel days



Deriving our Core Business Daily TCE	Deriving our Operating Activity Daily Margin
Owned + Long-Term Chartered TCE Revenue + Short-Term Chartered (excl. Operating) Margin Owned + Long-Term Chartered Revenue Days	Operating Margin Operating Days
*** Daily TCE revenue is the important KPI, as costs per day are substantially fixed and disclosed	*** Short-term charter costs fluctuate with the freight market and therefore the important KPI is the margin per day (the net daily difference between TCE revenue and charter costs), not the TCE level itself



\$1,790 x (3,490+3,450) days Post Panamax contribution				
Total G&A and others				
Post Panamax contribution	2.1			
	12.5			
Supramax contributionCore TCE x owned & LTC revenue days \$9,980 x (6,060+890) days Blended cost x owned & LTC cost days \$8,960 x (6,060+890+230) days	+ 69.4 - 64.4 = 5.0			
Handysize contributionCore TCE1 x owned & LTC2 revenue days \$7,190 x (14,330+2,650) days Blended cost x owned & LTC cost days 3 \$7,920 x (14,330+2,650+460) days	US\$m + 122.1 - 138.1 = (16.0)			

Sensitivity:

+/- US\$1,000 daily TCE = US\$35-40 million per year Adjusted for ca. 20-25% typical long-term forward cargo cover at any point in time

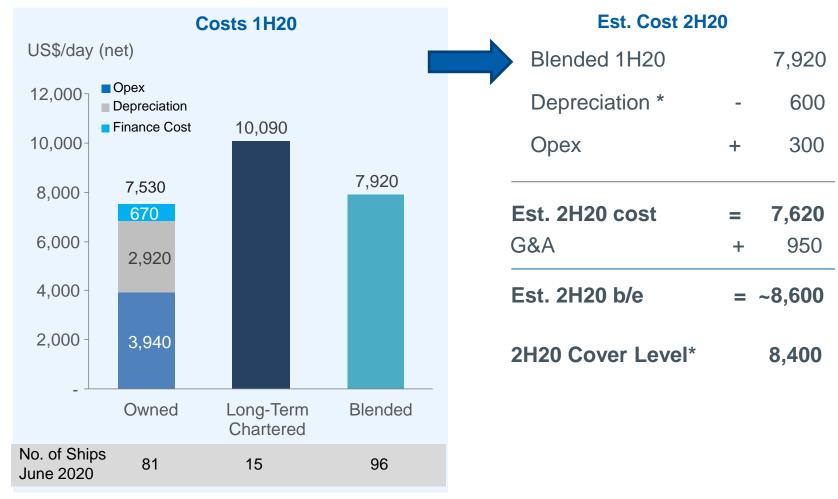
¹ Note that core TCE includes the margin (positive or negative) from short term ships carrying contract cargoes

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² Long-Term Chartered in ships





 Handysize depreciation on our owned vessels and right-of-use assets will be reduced going forward by approximately US\$600/day due to the June 2020 impairment

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US\$m	1H20	2H20	2021
Opening Cash	200.2	316.0	
Operating Cash Inflow ¹	77.5	Improving	
Drawdowns on Borrowings	212.7	33.5 ³	
Repayments of Borrowings	(59.0)	~(65.0)	~(135.0)
Repayments of Unsecured Facility		(50.0)	
Net Interest	(14.0)	~(15.0)	~(30.0)
Capital Expenditure	(90.6) ²	~(20.0)	~(40.0)
Other (incl. dividends)	(10.8)	n.m	
Closing Cash	316.0		

¹ Inclusive of all long and short-term charter-hire payments

² Whereof US\$38.5m relates to the acquisition of three vessels

³ Facilities committed in 1H20 but drawn in 2H20. We still have 1 unmortgaged vessels with leverage capacity of around US\$30m

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Closing Remarks

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Mats Berglund, CEO



Well Positioned for the Future

Our TCE Outperform Market

Average PB premium over market indices in last 5 years:

US\$**1,920**/day Handysize TCE

US\$**1,530**/day Supramax TCE



Efficient Cost Structure

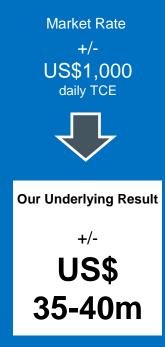


Daily Vessel Operating Expenses (Combined Handysize and Supramax) US\$4,370 US\$3,940

1H20

2014





¹ 1H20 PB owned Handysize 7,530/day + G&A overheads $950/day \approx US$,480/day

 2 1H20 PB owned Supramax \$8,540/day + G&A overheads \$950/day \approx US\$9,490/day

³ Data as at 30 Jul 2020

⁴ 1H20 annualised

* Based on current fleet and commitments, and all other things equal

2020 Investor Day

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This presentation contains certain forward looking statements with respect to the financial condition, results of operations and business of Pacific Basin and certain plans and objectives of the management of Pacific Basin.

Such forward looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results or performance of Pacific Basin to be materially different from any future results or performance expressed or implied by such forward looking statements. Such forward looking statements are based on numerous assumptions regarding Pacific Basin's present and future business strategies and the political and economic environment in which Pacific Basin will operate in the future.

Our Communication Channels:

- Financial Reporting
 - Annual (PDF & Online) & Interim Reports
 - Quarterly trading updates
 - Press releases on business activities

Shareholder Meetings and Hotlines

- Analysts Day & IR Perception Study
- Sell-side conferences
- Investor/analyst calls and enquiries

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Company Website - www.pacificbasin.com

- Corporate Information
- CG, Risk Management and CSR
- Fleet Profile and Download
- Investor Relations:
- financial reports, news & announcements, excel download, awards, media interviews, stock quotes, dividend history, corporate calendar and glossary

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Pacific Basin

Speed Optimization – The IMO Effect Did Not Happen, Yet!

• Higher fuel oil prices allow freight rates to increase without increasing speed and hence supply

Freight rate in US\$/ton 22 18 19 20 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 for typical voyage Approximate TCE 4,000 4.650 5.300 5.950 6.600 7.250 7.900 8.550 9.200 9.850 10,500 11,150 11,800 12,450 13,100 13,750 14,400 15,050 15,700 16,350 17,000 US\$/day 200 250 68% 30% MCR = 9.4 knots Full Practical Speed about 85% MCR (around 13.3 knots) 50% MCR = 11.1 knots 300 49% 56% 63% 69% 70% MCR = 12.4 knots 350 37% 42% 48% 53% 59% 66% 69% Cost US\$/mt 85% MCR = 13.3 knots 400 33% 37% 42% 47% 52% 57% 62% 67% 69% 450 34% 38% 42% 46% 50% 55% 59% 64% 69% 69% 500 31% 34% 38% 41% 45% 49% 53% 57% 61% 66% 69% 69% Bunker 550 32% 35% 38% 41% 45% 48% 52% 55% 59% 63% 67% 69% 69% 32% 35% 38% 41% 47% 57% 61% 64% 68% 69% 600 44% 51% 54% **Minimium Practical** 650 33% 35% 38% 41% 44% 47% 50% 53% 56% 59% 62% 700 30% MCR 31% 33% 36% 38% 41% 43% 46% 49% 52% 55% 750 (around 9.4 knots) 38% 41% 43% 46% 48% 31% 34% 36% 41% 800 32% 34% 36% 38% 43%

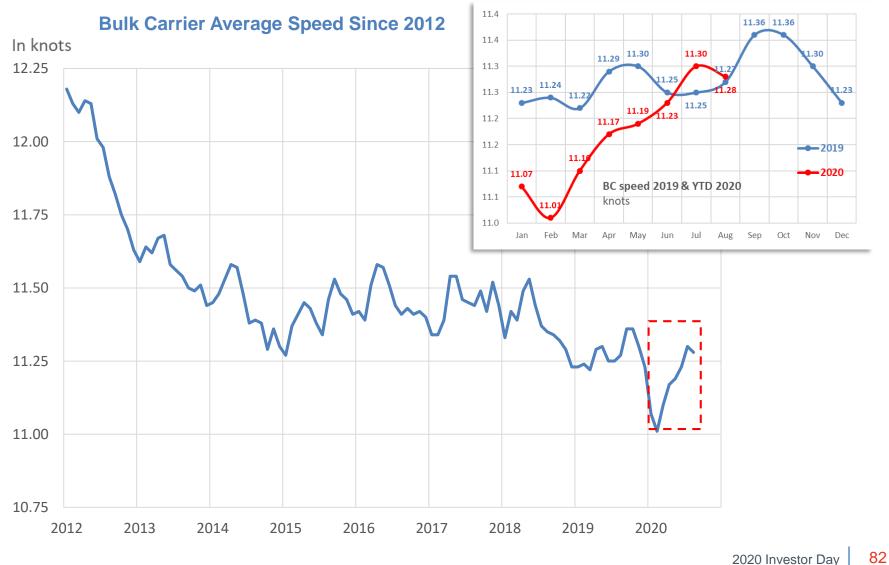
Optimal speed for typical Handysize vessel (Hakodate 32,000 dwt)

Optimal speed for typical Supramax vessel (Tsuneishi 58,000 dwt)

Freight rate in US\$/ton for typical voyage	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Approximate TCE US\$/day	5,000	6,000	7,000	8,000	9,000	10,000	11,000	12,000	13,000	14,000	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000
200																					
250	64%	69%										- 1 1 - 0						30%	//CR = 9.	5 knots	
300	46%	54%	62%	69%						Full Practical Speed about 85% MCR 50% MCR 50% MCP = 11.2 knots											
_ਦ 350	35%	41%	47%	53%	60%	67%	69%			(around 13.5 knots) 50% MCR = 11.5 knots 70% MCR = 12.7 knots											
₩ 400 450		32%	37%	42%	47%	53%	59%	59% 65% 69% 85% MCR = 13.5 knots													
<u>0</u> 450				34%	38%	43%	48%	53%	58%	63%	69%	69%									
<u>ຮິ</u> 500					31%	35%	39%	43%	48%	52%	57%	62%	67%	69%	69%						
_{ັສ} 550							33%	37%	40%	44%	48%	52%	56%	61%	65%	69%	69%				
ਤ <u>ੱ</u> 600							31%	34%	38%	38%	41%	45%	48%	52%	56%	60%	64%	68%	69%	69%	
^m 650				Minim	nium Pra	ctical				32%	35%	38%	42%	45%	48%	52%	55%	59%	63%	67%	69%
700				3	30% MCF	२					31%	34%	36%	39%	42%	45%	48%	52%	55%	58%	62%
750				(arou	ind 9.5 ki	nots)							32%	35%	37%	40%	43%	46%	49%	52%	55%
800														31%	33%	35%	38%	41%	43%	34%	499



Bulk Carrier Speed Bottomed in 2020 and has Increased 1.9% Since the Start of the Year



Source: Clarksons Research – by month from Jan 2012 to Aug 2020