J.P.Morgan

Dry Bulk Shipping

Coal shipments rose; China's switch from dom to int'l ore + India's rising coal demand could mitigate China's coal drop

- The BDI fell 9% w/w driven by weaker rates in the larger vessel segments: Capesize daily earnings fell 20% w/w to \$12.5K/day for the week ending Sep 19, while Panamax daily earnings fell 12% w/w to \$5.0K/day. In contrast, Supramax/Handysize index rose 2%/4% w/w. No period fixture was done for the week vs two done at \$24.0K/day for 15-12 months previous week. The one-year Capesize time-charter rate fell 7% w/w to \$20.0K/day (source: Clarksons).
- Forward curve points to a more moderate pick-up in 4Q: FFA indications for Capesize time-charter are at \$20.1K/day for 4Q14 (current: \$14.3K/day), falling to \$12.5K in 1Q15 (low season), but rising again to \$17.4K for CY2015. FFA for Panamax TC are at \$9.2K/day for 4Q14 (current: \$6.6K/day), \$8.2K in 1Q15 and \$9.4K/day for CY2015. FFA for Supramax TC are at \$11.6K/day for 4Q14 (current: \$10.8K/day), \$9.6K in 1Q15 and \$10.4K/day for CY2015. FFA for Handysize TC are at \$8.7K/day for 4Q14 (current: \$7.2K/day), \$7.7K in 1Q15 and \$8.8K/day for CY2015 (source: Clarksons, SSY).
- The number of Capesizes chartered in the spot market rose 21% w/w during the week, mainly driven by higher coal shipping demand but were still 23% lower y/y. 65% will carry iron ore (vs 86% a week ago), 26% coal (11%), 9% unknown (3%). Jan-Dec 2013 split: 69% iron ore (vs 72% in 2012), coal 23% (flat), others 8% (5%).
- China's share of shipping demand fell again while rest of the world's rose: 65% of Capesize vessels were chartered to carry cargo to China (vs 78% last week), 91% carrying iron ore (from 91%), 9% coal (9%). Rest of Asia's share rose to 21% (from 11%). Europe's share of demand also rose, driving 14% of Capesize demand (11%). In Jan-Dec 2013, the split was China 70% (vs 70% in 2012), rest of Asia 16% (16%), Europe 13% (13%), other 1% (1%). China's iron ore inventories at ports rose 1% m/m, 48% y /y to 104Mt.
- Panamax and Handymax ship chartering activity rose while Handysize fell: In the Panamax spot market, the number of ships chartered rose 11% w/w to 50 vessels (as 2 more ships were added in the previous week) with coal/grain shipping demand driving 34%/27% of the ships chartered. Handymax chartering activity rose 10% w/w while Handysize chartering activity fell 57% w/w.
- China's new policy restricting the use of more pollutive coal (with more than 16% ash and 3% sulphur) effective 1st Jan 2015 could potentially reduce seaborne thermal coal imports from Australia due to the higher ash content. Indonesia's coal may help to fill part of the gap and there could be import upside if more low-quality China domestic coal needs to be substituted as well but the Indonesia-China voyage distance is shorter. China is the world's largest seaborne thermal coal importer, driving c.17.6% of demand, followed by India at c.16.8%. Thermal coal drives c.20% of global dry bulk shipping demand (Fig 10). We believe India's rising coal demand could help mitigate the negative impact from China, benefitting smaller vessels more due to port constraints in India. On the positive side, China's policy stimulus could help lift iron ore imports (which drives c.28% of global dry bulk shipping demand) and coking coal (c.6% of demand) as it continues to shut down the inefficient mines in the next 2 years in our view. *Top picks:* PacBasin Shipping and Precious Shipping.

Shipping

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Baltic Dry Index



Source: Bloomberg

Baltic Freight Indices - Summary

| | Index | W/W | Y/Y |
|---------------------|-------|--------|--------|
| Baltic Dry | 1,075 | -9.0% | -42.2% |
| Baltic Handysize | 498 | 4.4% | -10.1% |
| Baltic Supramax | 1,029 | 2.3% | 8.2% |
| Baltic Panamax | 814 | -7.0% | -42.5% |
| Baltic Capesize* | 2,112 | -17.0% | -46.2% |
| Baltic Dirty Tanker | 612 | -4.4% | 5.5% |
| Raltic Clean Tanker | 552 | -1 4% | 2.4% |

Source: Bloomberg, as of Friday 19 Sep close. *The Baltic Exchange introduced a new Capesize Index on 6th May 2014.

See page 7 for analyst certification and important disclosures, including non-US analyst disclosures.

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Table 1: Baltic Freight Indices - Summary

| | Index | 1W-Chg | 1M-Chg | 3M-Chg | 12M-Chg | 12M Hi | Date Hi | Chg Hi | 12M Lo | Date Lo | Chg Lo |
|---------------------|-------|--------|--------|--------|---------|--------|-----------|--------|--------|-----------|--------|
| Baltic Dry | 1,075 | -9.0% | 3.4% | 19.2% | -42.2% | 2,337 | 12-Dec-13 | -54.0% | 723 | 22-Jul-14 | 48.7% |
| Baltic Handysize | 498 | 4.4% | 26.4% | 12.7% | -10.1% | 821 | 17-Dec-13 | -39.3% | 355 | 31-Jul-14 | 40.3% |
| Baltic Supramax | 1,029 | 2.3% | 14.1% | 45.3% | 8.2% | 1,562 | 12-Dec-13 | -34.1% | 659 | 18-Jul-14 | 56.1% |
| Baltic Panamax | 814 | -7.0% | -2.7% | 71.7% | -42.5% | 2,096 | 13-Dec-13 | -61.2% | 419 | 27-Jun-14 | 94.3% |
| Baltic Capesize* | 2,112 | -17.0% | -6.4% | 10.1% | -46.2% | 4,329 | 25-Sep-13 | -51.2% | 1,150 | 7-Aug-14 | 83.7% |
| Baltic Dirty Tanker | 612 | -4.4% | -19.4% | -14.0% | 5.5% | 1,344 | 20-Jan-14 | -54.5% | 584 | 19-Sep-13 | 4.8% |
| Baltic Clean Tanker | 552 | -1.4% | 0.9% | 8.0% | 2.4% | 636 | 17-Dec-13 | -13.2% | 483 | 29-Oct-13 | 14.3% |

Source: Bloomberg. (Sep 19, 2014 closing). *The Baltic Exchange introduced a new Capesize index on 6th May 2014.

Table 2: AP Dry Bulk Shipping Share Price Movements

| Company | Cosco | CSD | Korea | PacBasin | Precious | Sincere | Sinotrans | Thoresen | U-Ming | Sector |
|--------------------|---------|---------|-----------|----------|----------|---------|-----------|----------|---------|--------|
| Ticker | 1919:HK | 1138:HK | 005880:KS | 2343:HK | PSL:TB | 2605:TT | 368:HK | TTA:TB | 2606:TT | |
| Current Price (LC) | 3.29 | 5.04 | 25,050.00 | 4.45 | 25.25 | 26.90 | 2.19 | 23.90 | 46.55 | |
| Chg From 12M Lo | 10% | 25% | 43% | 3% | 36% | 5% | 4% | 57% | 1% | 16% |
| Chg From 12M Hi | -20% | -19% | -44% | -21% | -14% | -9% | -25% | -4% | -14% | -20% |
| 1M-Chg | -5% | -12% | -4% | -7% | -1% | -2% | -12% | 12% | -5% | -4% |
| 1W-Chg | -5% | -10% | -9% | -2% | -2% | -1% | -4% | 1% | -3% | -4% |

Source: Bloomberg. Share prices are as of Sep 23, 2014 closing.

Table 3: Dry Bulk Shipping Valuation Comparison

| Company | Ticker | Price | MV | ROE | (%) | P/E | (x) | P/BV | ' (x) | EV/EBI1 | ΓDA (x) | EPS grov | vth (%) |
|--------------|----------|--------|---------|-------|-------|-------|-------|-------|-------|---------|---------|----------|---------|
| | | (LC) | (US\$B) | 2014E | 2015E | 2014E | 2015E | 2014E | 2015E | 2014E | 2015E | 14/13 | 13/12 |
| Cosco* | 1919 HK | 3.29 | 5.95 | -18.6 | -5.3 | nm | nm | 1.3 | 1.4 | 26.2 | 11.7 | nm | -75.0 |
| CSDevelop | 1138 HK | 5.04 | 2.69 | 2.0 | 4.4 | 45.4 | 45.4 | 0.6 | 0.6 | 17.5 | 13.3 | nm | 192.0 |
| Diana* | DSX US | 9.74 | 0.81 | -1.4 | 2.7 | nm | 27.7 | 0.6 | 0.6 | 17.3 | 8.8 | 5.8 | nm |
| Dry | DRYS US | 2.76 | 1.25 | 0.1 | 4.4 | nm | 6.9 | 0.5 | 0.3 | 8.2 | 7.1 | -87.5 | nm |
| Eagle | EGLE US | 0.82 | 0.01 | nm | nm | nm | nm | nm | nm | 13.0 | 7.6 | -23.7 | -87.4 |
| Golden Ocean | GOGL NO | 7.64 | 0.54 | 2.5 | 8.5 | 34.3 | 10.5 | 0.9 | 0.9 | 11.4 | 7.9 | -77.3 | 225.7 |
| Kawasaki* | 9107 JP | 244.00 | 2.08 | 6.1 | 7.7 | 9.8 | 7.4 | 0.6 | 0.5 | 6.4 | 6.0 | 37.5 | 33.6 |
| Mitsui* | 9104 JP | 361.00 | 3.94 | 7.5 | 8.4 | 9.0 | 7.5 | 0.7 | 0.6 | 11.6 | 9.5 | -18.1 | 19.6 |
| Norden | DNORD DC | 154.40 | 1.12 | -4.9 | 3.6 | nm | 15.3 | 0.7 | 0.7 | nm | 6.2 | 64.6 | nm |
| Pac-Basin* | 2343 HK | 4.45 | 1.10 | -9.7 | 6.8 | nm | 14.2 | 0.9 | 0.9 | 21.1 | 7.3 | 569.3 | nm |
| Precious* | PSL TB | 25.25 | 0.81 | 3.1 | 9.1 | 53.7 | 17.8 | 1.7 | 1.6 | 14.1 | 9.2 | -7.8 | 202.1 |
| Sincere | 2605 TT | 26.90 | 0.50 | 6.9 | 7.3 | 13.8 | 12.7 | 1.0 | 0.9 | 7.4 | 6.9 | 0.7 | 9.3 |
| Sinotrans | 368 HK | 2.19 | 1.14 | 1.4 | 3.3 | 70.6 | 25.7 | 0.5 | 0.5 | 3.7 | 2.7 | 300.0 | 175.0 |
| Thoresen | TTA TB | 23.90 | 0.95 | 4.8 | 5.6 | 28.8 | 21.8 | 1.3 | 1.2 | 11.9 | 10.5 | nm | 32.0 |
| Torm | TORM DC | 0.49 | 0.06 | NA | nm | nm | nm | 0.5 | nm | 12.8 | 6.2 | -38.7 | nm |
| U-Ming* | 2606 TT | 46.55 | 1.32 | 5.4 | 8.0 | 29.3 | 19.9 | 1.6 | 1.5 | 21.3 | 14.4 | -13.1 | 47.2 |
| Average | | | | -2.2 | 3.6 | 16.1 | 13.6 | 0.9 | 0.9 | 15.4 | 9.7 | 35.2 | 32.3 |

Source: Bloomberg for Not Covered companies and J.P Morgan estimates for covered companies covered by J.P. Morgan. Note: Share prices are as of Sep 23, 2014 closing.

Table 4: Wet Bulk Shipping Valuation Comparison

| Company | Ticker | Price | MV | ROE | (%) | P/E | (x) | P/BV | (x) | EV/EBIT | DA (x) | EPS grov | vth (%) |
|-----------|----------|-------|---------|-------|-------|-------|-------|-------|-------|---------|--------|----------|---------|
| | | (LC) | (US\$B) | 2014E | 2015E | 2014E | 2015E | 2014E | 2015E | 2014E | 2015E | 14/13 | 15/14 |
| CAPITAL | CPLP US | 9.82 | 1.04 | 3.4 | NA | 31.8 | 22.1 | 1.2 | 1.3 | 12.8 | 10.8 | -6.4 | 44.0 |
| DHull | DHT US | 6.29 | 0.58 | -0.1 | 4.4 | nm | 17.8 | 0.8 | 0.9 | 15.4 | 6.2 | -62.9 | nm |
| Frontline | FRO US | 1.25 | 0.12 | nm | 22.1 | NA | NA | NA | NA | 9.5 | 8.9 | -57.7 | -39.3 |
| KB | VLCCF US | 9.17 | 0.45 | 4.5 | 16.8 | 25.3 | 7.7 | 0.8 | 1.2 | 12.0 | 3.0 | 159.3 | 227.3 |
| Nordic | NAT US | 8.25 | 0.74 | -2.0 | 1.2 | nm | nm | 0.8 | 0.9 | 11.6 | 8.6 | -87.2 | -104.9 |
| Sh Fin | SFL US | 17.52 | 1.63 | 9.4 | 11.9 | 15.5 | 13.5 | 1.4 | 1.3 | 8.6 | 8.3 | 36.1 | 14.4 |
| TORM | TORM DC | 0.49 | 0.06 | NA | nm | nm | nm | nm | nm | 12.8 | 6.2 | -38.7 | nm |
| TSAKOS | TNP US | 6.51 | 0.54 | 2.4 | 4.7 | 15.2 | 9.0 | 0.4 | 0.4 | 9.3 | 7.9 | nm | 69.5 |
| Average | • | | | 4.0 | 6.9 | 15.1 | 12.3 | 1.0 | 1.0 | 11.1 | 8.1 | 2.7 | 24.6 |

Source: Bloomberg. Note: Share prices are as of Sep 23, 2014 closing.

^{*} FY15 and FY16 YE March year end for Kawasaki and Mitsui.

Figure 1: Baltic Handysize Index

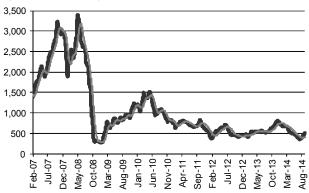


Figure 3: Baltic Panamax Index

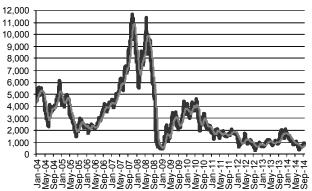
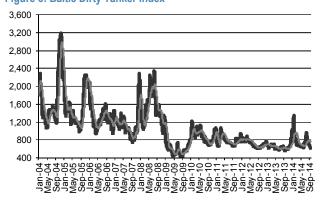


Figure 5: Baltic Dirty Tanker Index



Source: Bloomberg

50 day moving avg.

Figure 2: Baltic Supramax Index

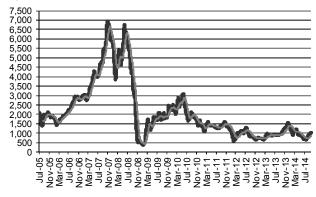


Figure 4: Baltic Capesize Index

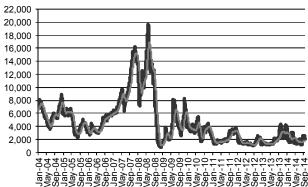


Figure 6: Baltic Clean Tanker Index

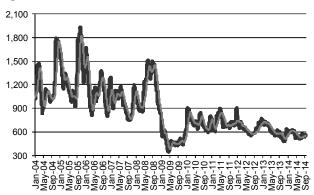




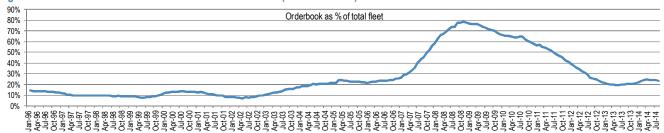
Table 5: Current Time-Charter Rate and FFA Indications

\$/Day

| | | Peak season | Low season | | |
|-----------|---------|-------------|----------------|---------|--------|
| | Current | 4Q14 | 1Q15 | 2Q15 | CY2015 |
| Capesize | 14,313 | 20,125 | 12,500 | 14,500 | 17,388 |
| Panamax | 6,564 | 9,150 | 8,175 | 9,700 | 9,350 |
| Supramax | 10,772 | 11,600 | 9,575 | 10,525 | 10,350 |
| Handysize | 7,200 | 8,650 | 7,650 | 9,250 | 8,750 |
| • | | | Versus current | TC rate | |
| Capesize | - | 41% | -13% | 1% | 21% |
| Panamax | - | 39% | 25% | 48% | 42% |
| Supramax | - | 8% | -11% | -2% | -4% |
| Handysize | - | 20% | 6% | 28% | 22% |

Source: Clarksons, SSY, FIS and Bloomberg.

Figure 7: Global Bulk Carrier Order Book as % of Total Fleet (Based on DWT)



Source: Clarksons

Figure 8: Newbuild Dry Bulk Vessel Deliveries (Actual vs Expected)

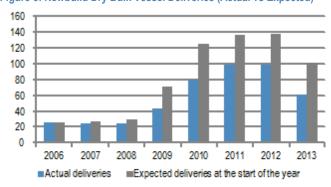


Figure 9: Historical Newbuild Bulk carrier Delivery Slippages



Source: Clarksons. Source: Clarksons.

Table 6: Global dry bulk vessel order book and implied capacity growth (in vessel terms)

| | Current Fleet | | | | | | | | |
|-------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | capacity (in vessel | Orderbook as % of | Capacity growth in |
| | terms as at 1st Sep, | existing fleet (in | 2011 (in vessel | 2012 (in vessel | 2013 (in vessel | 2014E (in vessel | 2015E (in vessel | 2016E (in vessel | 2017E (in vessel |
| Vessel Type | 2014) | vessel terms) | terms) | terms) | terms) | terms) | terms) | terms) | terms) |
| Capesize | 1,615 | 22.8% | 17.3% | 10.3% | 3.8% | 6.1% | 8.1% | 9.4% | 1.0% |
| Panamax | 2,432 | 13.7% | 10.6% | 10.0% | 8.4% | 8.5% | 6.8% | 0.6% | 0.6% |
| Handymax | 3,079 | 25.9% | 15.3% | 10.2% | 6.4% | 8.9% | 10.7% | 6.2% | 1.8% |
| Handysize | 3,111 | 14.9% | 1.4% | -0.3% | -1.2% | 6.3% | 7.0% | 3.3% | 0.8% |
| Total | 10,237 | 19.1% | 9.4% | 6.6% | 4.0% | 7.6% | 8.2% | 4.5% | 1.1% |

Source: Clarksons.

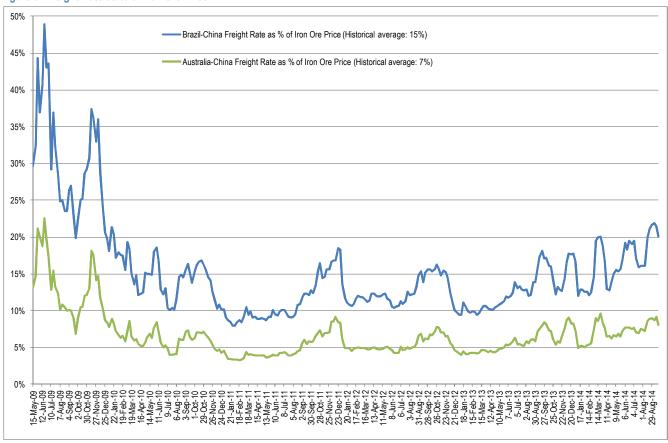


Table 7: Global Dry Bulk Vessel Order Book and Implied Capacity Growth (in million dwt)

| | Current Fleet | Orderbook as % of | | | | | | | |
|-------------|----------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | capacity (in m dwt | existing fleet (in m | Capacity growth in |
| Vessel Type | as at 1st Sep, 2014) | dwt) | 2011 (in m dwt) | 2012 (in m dwt) | 2013 (in m dwt) | 2014E (in m dwt) | 2015E (in m dwt) | 2016E (in m dwt) | 2017E (in m dwt) |
| Capesize | 303 | 24.1% | 17.7% | 12.0% | 5.0% | 6.7% | 8.2% | 9.9% | 1.1% |
| Panamax | 192 | 18.3% | 15.4% | 12.0% | 9.3% | 8.9% | 7.0% | 4.4% | 0.6% |
| Handymax | 163 | 29.3% | 13.9% | 12.0% | 7.4% | 9.7% | 12.1% | 7.1% | 2.0% |
| Handysize | 88 | 18.5% | 3.0% | 1.2% | -0.4% | 7.0% | 8.8% | 4.2% | 1.0% |
| Total | 747 | 23.1% | 14.1% | 10.5% | 5.9% | 8.0% | 8.8% | 7.2% | 1.2% |

Source: Clarksons.

Figure 9: Freight Rate as % of Iron Ore Price



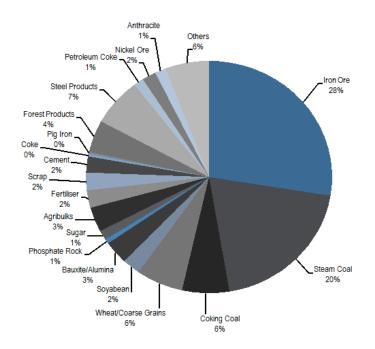
Source: Bloomberg and Clarksons.

Table 8: Top Global Capesize Fleet Owners

| Current Owner | Number | mn DWT | Market Share | Avg Size (DWT) | Age (years) | Country |
|----------------------|--------|--------|--------------|----------------|-------------|----------------|
| Nippon Yusen Kaisha | 63 | 12.2 | 4.1% | 193,857 | 7.0 | Japan |
| Mitsui O.S.K. Lines | 57 | 11.2 | 3.7% | 197,100 | 5.4 | Japan |
| K-Line | 54 | 10.6 | 3.5% | 196,237 | 5.0 | Japan |
| Angelicoussis Group | 48 | 8.4 | 2.8% | 174,147 | 8.0 | Greece |
| COSCO Group | 45 | 8.9 | 3.0% | 198,111 | 6.6 | China P.R. |
| Hanjin Shipping | 33 | 5.6 | 1.8% | 168,606 | 11.9 | South Korea |
| Vale | 31 | 9.2 | 3.0% | 295,248 | 9.9 | Brazil |
| Berge Bulk Ltd. | 30 | 7.6 | 2.5% | 254,457 | 14.4 | Bermuda |
| Polaris Shipping Co | 24 | 6.2 | 2.1% | 259,673 | 20.3 | South Korea |
| Pan Ocean | 24 | 5.8 | 1.9% | 241,875 | 4.5 | South Korea |
| Shoei Kisen K.K. | 24 | 4.5 | 1.5% | 188,098 | 4.1 | Japan |
| Sinokor Merchant Mar | 24 | 4.7 | 1.6% | 196,376 | 17.0 | South Korea |
| NS United K.K. | 23 | 4.8 | 1.6% | 209,600 | 4.5 | Japan |
| Nissen Kaiun K.K. | 22 | 3.7 | 1.2% | 166,364 | 4.3 | Japan |
| Zodiac Maritime Agy. | 21 | 4.9 | 1.6% | 234,162 | 14.1 | United Kingdom |
| CMB N.V. | 21 | 3.8 | 1.3% | 180,408 | 5.7 | Belgium |
| Enterprises Shpg. | 19 | 3.3 | 1.1% | 171,419 | 8.5 | Greece |
| China Shipping Group | 18 | 4.4 | 1.5% | 246,825 | 2.3 | China P.R. |
| Cardiff Marine Inc. | 18 | 3.2 | 1.1% | 178,125 | 6.7 | Greece |
| Navios Group | 18 | 3.2 | 1.1% | 177,987 | 4.2 | Greece |
| Top 20 Total | 617 | 126.2 | 41.9% | 206,434 | 8.2 | |
| Global Total | 1,605 | 301.0 | | 187,539 | | |

Source: Clarksons.

Figure 10: Global Bulk Shipping Demand Breakdown By Commodity



Source: Clarksons.



Companies Discussed in This Report (all prices in this report as of market close on 24 September 2014) Pacific Basin Shipping (2343.HK/HK\$4.39/Overweight), Precious Shipping (PSL.BK/Bt24.80/Overweight)

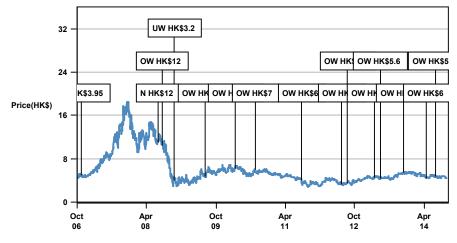
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Pacific Basin Shipping (2343.HK, 2343 HK) Price Chart



| Date | Rating | (HK\$) | (HK\$) |
|-----------|--------|--------|--------|
| 02-Nov-06 | UW | 4.99 | 3.95 |
| 03-Jul-08 | N | 11.08 | 12.00 |
| 05-Aug-08 | OW | 10.60 | 12.00 |
| 05-Nov-08 | UW | 4.15 | 3.20 |
| 07-Jul-09 | OW | 4.78 | 6.30 |
| 02-Mar-10 | OW | 6.24 | 7.20 |
| 03-Aug-10 | OW | 6.01 | 7.00 |
| 03-Aug-11 | OW | 4.11 | 6.00 |
| 19-Jun-12 | OW | 3.25 | 5.00 |
| 02-Aug-12 | OW | 3.43 | 4.50 |
| 01-Mar-13 | OW | 4.57 | 5.30 |
| 18-Apr-13 | OW | 4.36 | 5.60 |
| 18-Oct-13 | OW | 5.50 | 6.50 |
| 15-Apr-14 | OW | 4.47 | 6.00 |
| 26-Jun-14 | OW | 4.72 | 5.80 |

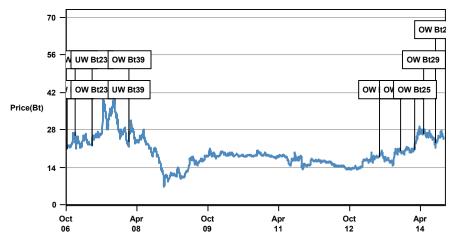
Pating Share Price Price Target

Date

Source: Bloomberg and J.P. Morgan; price data adjusted for stock splits and dividends

Initiated coverage Nov 02, 2006.

Precious Shipping (PSL.BK, PSL TB) Price Chart



| Date | Rating | Share Price (Bt) | Price Target (Bt) |
|-----------|--------|---------------------|-------------------|
| 05-Oct-06 | OW | 21.00 | 50.00 |
| 07-Dec-06 | OW | 26.00 | 59.00 |
| 16-Apr-07 | OW | 22.40 | 23.00 |
| 19-Apr-07 | UW | 22.20 | 23.00 |
| 30-Jan-08 | UW | 23.60 | 39.00 |
| 31-Jan-08 | OW | 23.60 | 39.00 |
| 14-May-13 | OW | 17.80 | 22.00 |
| 28-Oct-13 | OW | 20.30 | 23.00 |
| 08-Feb-14 | OW | 20.60 | 25.00 |
| 25-Apr-14 | OW | 26.75 | 29.00 |
| 25-Jul-14 | OW | 23.20 | 27.00 |

Source: Bloomberg and J.P. Morgan; price data adjusted for stock splits and dividends Initiated coverage Oct 05, 2006.

The chart(s) show J.P. Morgan's continuing coverage of the stocks; the current analysts may or may not have covered it over the entire period.

J.P. Morgan ratings or designations: OW = Overweight, N= Neutral, UW = Underweight, NR = Not Rated

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| | Overweight (buy) | Neutral (hold) | Underweight (sell) |
|---|------------------|-------------------|--------------------|
| J.P. Morgan Global Equity Research Coverage | 45% | 43% | 11% |
| IB clients* | 55% | 49% | 34% |
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^{*}Percentage of investment banking clients in each rating category.

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