

# ASEAN

# Neutral (no change)

#### **Highlighted Companies**

### MISC Bhd HOLD, TP RM7.64, RM7.35 close

Rising crude tanker freight rates from the Red Sea crisis and low water levels at the Panama Canal will benefit MISC. A successful sail-away of FPSO Mero from the Chinese yard in 1Q24F could give investors assurance that the project is on-track.

#### Singapore Airlines ADD, TP \$\$6.91, \$\$6.53 close

SIA continues to see robust passenger demand while cargo yields also exceeded our expectations in Oct-Dec 2023. We think that SIA may pay a bumper final DPS of 40 Scts in May 2024F, in conjunction with the release of its full-year results for the year ending Mar 2024F.

#### **Summary Valuation Metrics**

| Summary value      | ation we | urics   |         |
|--------------------|----------|---------|---------|
| P/E (x)            | Dec-23F  | Dec-24F | Dec-25F |
| MISC Bhd           | 14.61    | 16.44   | 17.04   |
| Singapore Airlines | 7.09     | 8.63    | 11.57   |
|                    |          |         |         |
| P/BV (x)           | Dec-23F  | Dec-24F | Dec-25F |
| MISC Bhd           | 0.81     | 0.80    | 0.80    |
| Singapore Airlines | 1.12     | 1.14    | 1.11    |
|                    |          |         |         |
| Dividend Yield     | Dec-23F  | Dec-24F | Dec-25F |
| MISC Bhd           | 5.23%    | 4.79%   | 4.79%   |
| Singapore Airlines | 7.19%    | 5.94%   | 4.44%   |
|                    |          |         |         |

#### Analyst(s)



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# **Transport**

# MISC & SIA may benefit from Red Sea attacks

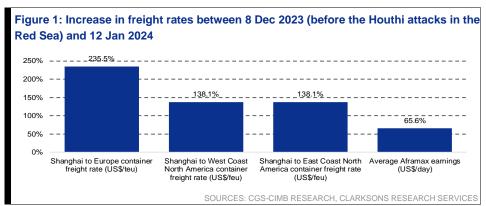
- Container shipping freight rates have risen the most since the Houthi attacks on commercial ships in the Red Sea began in mid-Nov 2023.
- MISC could benefit as aframax tanker rates have increased due to Suez Canal and Panama Canal issues, although the benefit is likely to be modest.
- SIA may benefit from any spillover to airfreight, as Asia-Europe shipping has more than tripled in cost and also takes longer via the Cape of Good Hope.

### Houthi militant attacks caused container freight rates to spike...

Houthi militant attacks on marine traffic through the Red Sea have had the effect of curtailing shipping traffic through the Suez Canal, forcing many ships to take the longer route via the Cape of Good Hope (COGH). The impact has been the most apparent on the container shipping sector, as all Asia-Europe services and some Asia-East Coast North America (ECNA) services use the Suez Canal, through which about 20% of containerships in gross tonnage (GT) terms transit in a normal year. About 80-90% of containerships have rerouted via the COGH in order to avoid the Gulf of Aden, which caused Asia-Europe container shipping services to lengthen by some eight days (30%) at the minimum, and for Asia-Europe container freight rates to more than triple. Asia-ECNA services would add an extra four days (15%) via the COGH vs. the Suez Canal, or an extra 10 days (34%) via the COGH vs. the Panama Canal, which is facing issues related to low water levels. Asia-ECNA and Asia-West Coast North America services have seen their freight rates more than double over the past five weeks since 8 Dec 2023.

## ...with spillover into oil tanker rates, and potentially airfreight

Higher container shipping freight rates to both Europe and the Americas from Asia may spill over into airfreight cargo rates, in our view, or at the very least, help moderate the sequential decline in 1Q24F from the seasonal peak in 4Q23. Our Add rating on SIA is premised primarily on the strong passenger airline business, where load factors and yields will likely be very strong between Oct 2023 and Mar 2024, and we also expect SIA to reward shareholders with a bumper 40 Scts final DPS in May 2024F. Positive surprises in airfreight rates arising from the Red Sea crisis may add a further tailwind to an already strong story. The impact of rerouting via the COGH is less significant for the oil trade, as only 9% of the global oil tanker fleet transit through the Suez Canal in normal times. Also, 72% of the oil tanker transits are of Russian oil exports to Asia, and we think Russia may not reroute these ships because of its close relationship with Iran. As a result, VLCC rates have fallen since 8 Dec 2023, suezmax rates only rose slightly, although aframax rates have risen by a more significant 66%. Nevertheless, MISC's high term coverage for its aframax fleet means that it will only partly benefit from the aframax rate rally. While we have a Hold call on MISC, a successful delivery of the FPSO Mero-3 in 1Q24F could improve sentiment on the stock. Sector upside risks include the potential Houthi retaliation against US/UK attacks that would force more ships to reroute through the COGH, and cause freight rates to rally further. Sector downside risks include a resolution of the Israel-Hamas war that could reduce political risk in the Middle East and result in a downward normalisation of freight rates.





| Company                         | Bloomberg Ticker   | Recom.    | Price     | Target<br>Price | Market Cap | Core P | /E (x) | 3-year EPS | P/BV ( | (x)   | Recurring F | ROE (%) | EV/EBITE | OA (x) | Dividend Y | ield (%) |
|---------------------------------|--------------------|-----------|-----------|-----------------|------------|--------|--------|------------|--------|-------|-------------|---------|----------|--------|------------|----------|
| Company                         | Diocimborg Fiction | 110001111 |           | 11100           | (US\$ m)   | CY23F  | CY24F  | CAGR (%)   | CY23F  | CY24F | CY23F       | CY24F   | CY23F    | CY24F  | CY23F      | CY24     |
| MISC Bhd                        | MISC MK            | Hold      | RM7.35    | RM7.64          | 6,989      | 14.2   | 16.4   | -7.3%      | 0.8    | 0.8   | 5.7%        | 4.9%    | 9.2      | 9.1    | 5.2%       | 4.8%     |
| Crude tanker stocks             |                    |           |           |                 |            |        |        |            |        |       |             |         |          |        |            |          |
| Euronav                         | EURN US            | Not Rated | US\$17.56 | n.a.            | 3,864      | 6.8    | 8.0    | na         | 1.7    | 1.5   | 25.6%       | 19.6%   | 5.8      | 5.2    | 11.2%      | 11.29    |
| DHT Holdings                    | DHT US             | Not Rated | US\$11.02 | n.a.            | 1,774      | 10.8   | 6.2    | na         | 1.7    | 1.7   | 16.1%       | 27.5%   | 6.9      | 4.7    | 10.3%      | 10.39    |
| Frontline                       | FRO US             | Not Rated | US\$22.27 | n.a.            | 4,958      | 8.0    | 6.3    | 83.0%      | 2.2    | 2.0   | 29.6%       | 32.9%   | 8.2      | 6.2    | 12.1%      | 12.19    |
| Okeasnis Eco Tankers            | OET NO             | Not Rated | Nok302.50 | n.a.            | 950        | 6.7    | 5.7    | 90.1%      | 2.3    | 2.1   | 36.7%       | 38.6%   | 6.4      | 5.8    | 15.6%      | 16.09    |
| Product tanker stocks           |                    |           |           |                 |            |        |        |            |        |       |             |         |          |        |            |          |
| Scorpio Tankers                 | STNG US            | Not Rated | US\$62.92 | n.a.            | 3,367      | 6.2    | 5.8    | 14.7%      | 1.3    | 1.0   | 23.9%       | 19.8%   | 4.9      | 4.6    | 1.3%       | 1.3%     |
| Ardmore Shipping Corp           | ASC US             | Not Rated | US\$14.85 | n.a.            | 609        | 5.3    | 5.2    | 1.5%       | 1.1    | 1.0   | 23.7%       | 19.5%   | 4.0      | 3.8    | 5.9%       | 5.9%     |
| d'Amico International Shipping  | DIS IM             | Not Rated | €5.98     | n.a.            | 807        | 3.6    | 6.2    | 12.7%      | 1.0    | 0.9   | 36.6%       | 15.4%   | 3.3      | 4.1    | 3.2%       | 3.2%     |
| TORM Plc                        | TRMD US            | Not Rated | US\$32.30 | n.a.            | 2,950      | 4.5    | 4.8    | 19.5%      | 1.8    | 1.6   | 40.7%       | 35.1%   | 4.2      | 3.8    | 20.3%      | 20.3%    |
| Chemical tanker stocks          |                    |           |           |                 |            |        |        |            |        |       |             |         |          |        |            |          |
| Odfjell                         | ODF NO             | Not Rated | Nok124.00 | n.a.            | 938        | 4.7    | 4.1    | 33.2%      | 1.2    | 1.0   | 28.2%       | 26.9%   | 4.1      | 3.5    | 9.8%       | 9.8%     |
| Stolt-Nielsen                   | SNI NO             | Not Rated | Nok357.00 | n.a.            | 1,995      | 6.1    | 5.1    | 19.7%      | 1.1    | 0.9   | 18.4%       | 18.9%   | 5.5      | 4.2    | 6.0%       | 6.29     |
| LNG tanker stocks               |                    |           |           |                 |            |        |        |            |        |       |             |         |          |        |            |          |
| Golar LNG                       | GLNG US            | Not Rated | US\$22.27 | n.a.            | 2,358      | 10.4   | 10.7   | 38.8%      | 1.1    | 1.0   | 9.8%        | 9.5%    | 8.4      | 7.6    | 3.4%       | 3.4%     |
| Awilco LNG                      | ALNG NO            | Not Rated | US\$7.83  | n.a.            | 99         | 2.9    | 3.6    | 30.9%      | 0.7    | 0.7   | 27.7%       | 19.4%   | 4.1      | 4.0    | 18.8%      | 19.4%    |
| Qatar Gas Transport (Nakilat)   | QGTS QD            | Not Rated | QAR3.65   | n.a.            | 5,546      | 12.8   | 11.9   | 7.6%       | 1.7    | 1.5   | 16.5%       | 13.5%   | 12.3     | 11.9   | 3.8%       | 3.8%     |
| Average of tanker group         |                    |           |           |                 |            | 7.9    | 7.6    | 30.5%      | 1.3    | 1.2   | 17.5%       | 16.3%   | 6.8      | 6.1    | 7.9%       | 7.8%     |
| Diversified shipping stocks     |                    |           |           |                 |            |        |        |            |        |       |             |         |          |        |            |          |
| Kawasaki Kisen Kaisha           | 9107 JP            | Not Rated | ¥7,440    | n.a.            | 12,029     | 2.9    | 13.9   | -53.4%     | 1.2    | 1.1   | 47.6%       | 8.4%    | 13.6     | 13.6   | 3.6%       | 3.8%     |
| Mitsui OSK Lines                | 9104 JP            | Not Rated | ¥5,244    | n.a.            | 12,887     | 2.3    | 8.9    | -47.4%     | 0.9    | 0.9   | 44.5%       | 10.6%   | 13.6     | 14.5   | 6.6%       | 6.9%     |
| Nippon Yusen KK                 | 9101 JP            | Not Rated | ¥5,094    | n.a.            | 17,637     | 2.6    | 10.8   | -48.8%     | 1.0    | 0.9   | 42.2%       | 9.1%    | 6.8      | 9.6    | 6.0%       | 6.3%     |
| COSCO Shipping Energy Transport | 1138 HK            | Not Rated | HK\$7.95  | n.a.            | 7,908      | 7.2    | 5.4    | na         | 1.0    | 0.9   | 14.5%       | 16.8%   | 5.8      | 4.6    | 4.5%       | 4.5%     |
| Average of diversified group    |                    |           |           |                 |            | 2.8    | 9.8    | -45.2%     | 1.0    | 1.0   | 41.3%       | 10.2%   | 9.0      | 10.0   | 5.4%       | 5.6%     |
| FPSO stocks                     |                    |           |           |                 |            |        |        |            |        |       |             |         |          |        |            |          |
| Bumi Armada                     | BAB MK             | Add       | RM0.54    | RM0.73          | 675        | 5.4    | 4.1    | -20.2%     | 0.5    | 0.5   | 10.8%       | 12.4%   | 5.9      | 4.9    | 0.0%       | 0.0%     |
| Yinson Holdings Bhd             | YNS MK             | Add       | RM2.57    | RM3.18          | 1,591      | 9.6    | 9.7    | 3.1%       | 1.1    | 1.0   | 12.6%       | 10.9%   | 8.3      | 8.3    | 0.7%       | 0.7%     |
| SBM Offshore                    | SBMO NA            | Not Rated | €12.48    | n.a.            | 2,451      | 8.9    | 13.1   | -17.7%     | 2.0    | 1.4   | 13.1%       | 12.4%   | 8.1      | 7.8    | 8.2%       | 8.1%     |
| BW Offshore                     | BWO NO             | Not Rated | Nok22.24  | n.a.            | 393        | 6.6    | 3.7    | -9.0%      | 0.4    | 0.3   | 6.5%        | 9.8%    | 2.0      | 1.3    | 12.6%      | 13.0%    |
| MODEC Inc                       | 6269 JT            | Not Rated | ¥2,238    | n.a.            | 1,038      | 21.5   | 20.3   | na         | 1.4    | 1.3   | 6.2%        | 6.8%    | 5.8      | 4.7    | 0.5%       | 0.5%     |
| Average of FPSO group           |                    |           |           |                 |            | 9.1    | 9.1    | 5.2%       | 1.1    | 0.9   | 10.8%       | 10.9%   | 6.9      | 6.6    | 4.1%       | 4.2%     |
| Average (all)                   |                    |           |           |                 |            | 3.9    | 8.7    | -30.0%     | 1.1    | 1.0   | 30.7%       | 12.4%   | 7.7      | 7.6    | 6.3%       | 6.4%     |



| Company                         | Bloomberg   | Recom.    | Price      | Target Price | Market Cap | Core P/E | (x)   | 3-year EPS | P/BV ( | x)      | Recurring F | ROE (%) | EV/EBITD | A (x) | Dividend Yie | eld (%) |
|---------------------------------|-------------|-----------|------------|--------------|------------|----------|-------|------------|--------|---------|-------------|---------|----------|-------|--------------|---------|
|                                 | Ticker      |           |            | Ū            | (US\$ m)   | CY23F    | CY24F | CAGR (%)   | CY23F  | CY24F   | CY23F       | CY24F   | CY23F    | CY24F | CY23F        | CY24    |
| Capital A                       | CAPITALA MK | Not Rated | RM0.69     | na           | 618        | na       | 7.7   | na         | 1.37   | 1.27    | 1.6%        | 17.3%   | 5.5      | 4.8   | 0.0%         | 0.0%    |
| InterGlobe Aviation Ltd         | INDIGO IN   | Not Rated | Rs3,072.75 | na           | 14,269     | na       | 19.2  | na         | -16.81 | -151.53 | 3.6%        | -157.4% | 21.8     | 9.0   | 0.7%         | 0.79    |
| Asia Aviation PCL               | AAV TB      | Not Rated | THB2.02    | na           | 729        | na       | 19.3  | na         | 3.55   | 2.99    | -8.0%       | 17.3%   | 4.2      | 3.4   | 0.0%         | 0.0%    |
| Cebu Air                        | CEB PM      | Not Rated | Php32.20   | na           | 357        | 3.8      | 2.7   | na         | 14.71  | 2.87    | 3212.2%     | 177.5%  | 3.2      | 2.2   | 0.0%         | 0.0%    |
| Air Arabia                      | AIRARABI UH | Not Rated | AED2.87    | na           | 3,646      | 8.2      | 8.9   | 5.7%       | 1.83   | 1.67    | 23.1%       | 19.7%   | 5.4      | 5.3   | 6.0%         | 6.0%    |
| Ryanair                         | RYA ID      | Not Rated | €17.98     | na           | 22,273     | 14.7     | 10.4  | 21.8%      | 3.06   | 2.73    | 22.1%       | 27.7%   | 8.5      | 5.9   | 0.5%         | 0.5%    |
| easyJet                         | EZJ LN      | Not Rated | £4.95      | na           | 4,737      | 10.7     | 8.5   | na         | 1.34   | 1.18    | 14.3%       | 14.8%   | 3.5      | 2.7   | 0.7%         | 0.79    |
| Southwest                       | LUV US      | Not Rated | US\$28.72  | na           | 17,120     | 20.9     | 18.7  | 8.0%       | 1.55   | 1.27    | 7.5%        | 7.5%    | 6.4      | 5.8   | 1.9%         | 1.9%    |
| JetBlue                         | JBLU US     | Not Rated | US\$5.13   | na           | 1,710      | na       | na    | na         | 0.52   | 0.56    | -5.4%       | -6.2%   | 9.7      | 12.0  | 0.0%         | 0.0%    |
| Pegasus                         | PGSUS TI    | Not Rated | TRY723.00  | na           | 2,456      | 8.2      | 4.9   | 69.1%      | 1.66   | 1.01    | 34.8%       | 25.9%   | 5.6      | 4.1   | 0.0%         | 0.0%    |
| Low-Cost Carriers - average     |             |           |            |              |            | 20.4     | 13.2  | na         | 2.45   | 2.04    | 13.2%       | 16.9%   | 8.1      | 6.1   | 1.1%         | 1.19    |
|                                 |             |           |            |              |            |          |       |            |        |         |             |         |          |       |              |         |
| Singapore Airlines              | SIA SP      | Add       | S\$6.53    | S\$6.91      | 14,491     | 7.5      | 8.9   | 11.0%      | 1.12   | 1.14    | 13.7%       | 12.7%   | 9.4      | 6.3   | 7.2%         | 5.9%    |
| Cathay Pacific Airways          | 293 HK      | Not Rated | HK\$7.87   | na           | 6,475      | 6.1      | 7.5   | na         | 0.93   | 0.83    | 16.1%       | 11.6%   | 3.8      | 4.3   | 0.8%         | 0.89    |
| Bangkok Airways                 | BA TB       | Not Rated | THB15.10   | na           | 891        | 13.7     | 16.6  | na         | 1.66   | 1.45    | 13.4%       | 9.3%    | 10.1     | 13.6  | 0.5%         | 0.5%    |
| China Eastern                   | 670 HK      | Not Rated | HK\$2.08   | na           | 10,510     | na       | 7.4   | na         | 1.53   | 1.12    | -12.1%      | 17.5%   | 9.4      | 7.2   | 0.0%         | 0.0%    |
| China Southern                  | 1055 HK     | Not Rated | HK\$3.06   | na           | 12,998     | 43.6     | 5.9   | na         | 1.18   | 0.93    | 2.4%        | 17.6%   | 7.7      | 6.2   | 0.0%         | 0.0%    |
| Air China                       | 753 HK      | Not Rated | HK\$4.65   | na           | 14,713     | 74.5     | 7.1   | na         | 1.91   | 1.44    | 2.2%        | 23.2%   | 8.6      | 7.1   | 0.1%         | 0.19    |
| Qantas Airways                  | QAN AU      | Not Rated | A\$5.18    | na           | 5,861      | 12.3     | 12.6  | na         | 62.27  | 28.14   | 3085.4%     | 306.5%  | 5.3      | 5.5   | 0.0%         | 0.0%    |
| Turkish Airlines                | THYAO TI    | Not Rated | TRY249.80  | na           | 11,445     | 5.3      | 4.7   | -1.5%      | 1.00   | 0.68    | 25.2%       | 17.4%   | 5.1      | 4.0   | 0.5%         | 0.5%    |
| Full-Service Carriers - average |             |           |            |              |            | 10.6     | 7.3   | na         | 1.46   | 1.20    | 14.1%       | 17.9%   | 6.4      | 5.8   | 1.7%         | 1.4%    |
|                                 |             |           |            |              |            |          |       |            |        |         |             |         |          |       |              |         |
| Malaysia Airports Holdings      | MAHB MK     | Add       | RM7.60     | RM8.05       | 2,701      | 23.8     | 10.5  | na         | 1.64   | 1.66    | 7.0%        | 15.8%   | 9.4      | 6.3   | 1.3%         | 4.0%    |
| SATS Ltd                        | SATS SP     | Add       | S\$2.89    | S\$3.44      | 3,214      | 142.0    | 44.6  | na         | 2.00   | 2.02    | 1.3%        | 4.5%    | 9.2      | 9.1   | 0.4%         | 1.19    |
| Airports of Thailand            | AOT TB      | Hold      | THB63.00   | THB69.00     | 25,437     | 72.2     | 38.6  | na         | 7.86   | 6.92    | 11.7%       | 18.7%   | 32.3     | 20.5  | 0.8%         | 1.5%    |
| Beijing Capital International   | 694 HK      | Not Rated | HK\$2.33   | na           | 1,364      | na       | 19.9  | na         | 0.64   | 0.60    | -7.6%       | 3.1%    | 28.1     | 4.9   | 0.2%         | 0.29    |
| Shanghai International          | 600009 CH   | Not Rated | Rmb32.84   | na           | 11,357     | 82.3     | 22.0  | na         | 2.03   | 1.85    | 2.7%        | 8.8%    | 21.8     | 12.7  | 0.3%         | 0.3%    |
| Aeroports de Paris              | ADP FP      | Not Rated | €116.70    | na           | 12,551     | 20.2     | 21.4  | 106.8%     | 2.64   | 2.49    | 14.4%       | 12.0%   | 10.1     | 9.8   | 2.4%         | 2.49    |
| TAV Havalimanlari               | TAVHL TI    | Not Rated | TRY125.60  | na           | 1,515      | 12.6     | 8.0   | 32.9%      | 1.04   | 0.83    | 11.1%       | 11.6%   | 9.9      | 7.0   | 0.0%         | 0.0%    |
| Airports - average              |             |           |            |              |            | 48.3     | 24.6  | na         | 2.82   | 2.63    | 6.2%        | 11.0%   | 15.1     | 11.2  | 1.0%         | 1.5%    |
|                                 |             |           |            |              |            |          |       |            |        |         |             |         |          |       |              |         |
| SIA Engineering                 | SIE SP      | Hold      | S\$2.35    | S\$2.51      | 1,969      | 24.3     | 20.0  | na         | 1.54   | 1.51    | 6.5%        | 7.6%    | 9.4      | 9.5   | 3.5%         | 4.5%    |
| Engineering - average           |             |           |            |              |            | 24.3     | 20.0  | 29.4%      | 1.54   | 1.51    | 6.5%        | 7.6%    | 25.7     | 18.7  | 3.5%         | 4.5%    |
|                                 |             |           |            |              |            |          |       |            |        |         |             |         |          |       |              |         |
| Average (all)                   |             |           |            |              |            | 17.7     | 11.6  | na         | 2.05   | 1.73    | 12.1%       | 16.1%   | 7.9      | 6.6   | 1.3%         | 1.3%    |



# Attacks on Red Sea marine traffic from mid-Nov 2023 >

Houthi militants in Yemen have been launching drone and missile attacks against commercial marine traffic in the Red Sea since their first attack on 19 Nov 2023 on a car carrier.

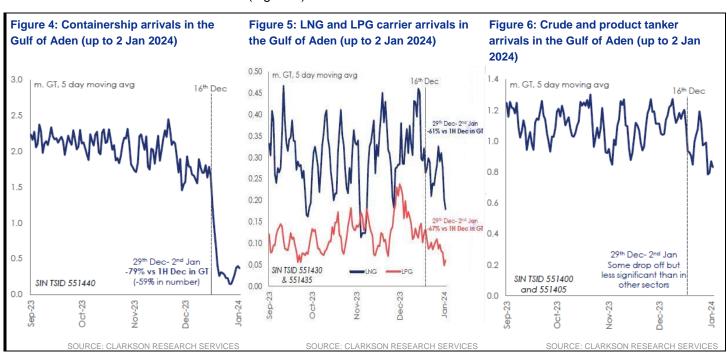
The Houthi militants had said that they were attacking vessels owned by Israeli interests or that were heading towards Israeli ports, purportedly to protest Israel's role in the war in Gaza. However, many ships traversing the Red Sea with no apparent links to Israel, for instance, vessels operated by France's CMA CGM, Denmark's Maersk, Germany's Hapag-Lloyd, Switzerland's MSC, South Korea's SK Shipping, Japan's NYK, Hong Kong's OOCL, among others, had been targeted by Houthi militants in Nov and Dec 2023.

In Dec 2023, in response to the Houthi attacks, the US and various national navies put together a multinational coalition to safeguard Red Sea shipping, called 'Operation Prosperity Guardian'.

On 12 Jan 2024, the US and UK militaries launched strikes across Houthicontrolled areas of Yemen to degrade their capacity to threaten Red Sea shipping, but despite that, US officials believe that the Houthis have so far retained about three-quarters of their capacity to fire missiles and launch drones, according to an Al Jazeera article on Monday, 15 Jan 2024.

# Impact most significant on container shipping services >

In the last two weeks of Dec 2023 (2H Dec; after the Houthi attacks started) vs. the first two weeks of Dec 2023 (1H Dec; before the Houthi attacks), shipbroker Clarksons reported that **containership arrivals** into the Gulf of Aden (which is proximate to the Red Sea) **declined by c.80%** in terms of gross tonnage (GT) (Figure 4).



Over the same period, liquefied petroleum gas carrier (LPG) arrivals in the Red Sea declined 67%, liquefied natural gas carrier (LNG) arrivals fell 61% (Figure 5), and car carrier arrivals fell 38%, all measured in terms of the gross tonnage (GT) of the ships.

However, crude oil and product oil tankers arrivals, as well as bulk ship arrivals, declined by lesser percentages (Figure 6). Clarksons reported that oil tanker



arrivals into the Red Sea declined by **20%** (in GT terms) in the period 1-11 Jan 2024 vs. the 1H Dec 2023.

However, in the three days immediately following the US and UK strikes on Yemen, i.e. 12-14 Jan 2024 vs. 1H Dec 2023, the total tonnage of vessels arriving in the Gulf of Aden fell c.70%, according to Clarksons, as:

- The decline in containership arrivals in the Red Sea widened to 90% (GT terms); while,
- Oil tanker arrivals declined by a wider 50% (GT terms).

# Positive impact on container freight rates >

Clarksons estimates that more than 20% of seaborne container trade passes through the Suez Canal, mainly on services from Asia to Europe and from Asia to East Coast North America (the latter also has the option of using the Panama Canal).

Given the sizable decline in containership transits through the Suez Canal, and the subsequent rerouting of Asia-Europe services via South Africa's Cape of Good Hope, shipping distances on Asia-Europe services have lengthened by about 8 days, in Clarksons' estimate (Figure 8).

Container shipping freight rates have naturally rallied, because of the additional cost of the services, but also because container shipping capacity on Asia-Europe services has fallen by about 10% compared to before the Houthi attacks.

The Shanghai Containerized Freight Index (SCFI) **Shanghai to Europe freight rate** has more than tripled from US\$925 per twenty-foot equivalent unit (teu) on 8 Dec 2023 to US\$3,103/teu on 12 Jan 2024, albeit significantly lower than the peak of almost US\$8,000/teu in 2H21 (Figure 7).

Container freight rates on **Shanghai to East Coast North America** have also rallied because some of these services transit through the Suez Canal and now may have to take the longer route via the Cape of Good Hope (Figure 9).

Meanwhile, container freight rates on the Shanghai to West Coast North America services have also rallied for a completely different reason, i.e. because of the capacity constraints at the drought-stricken Panama Canal, which have restricted its use by containerships heading from Asia towards the East Coast of North America. As such, some boxes heading towards the East Coast are instead being transported on services between Asia and the West Coast of North America, before being transported by rail services in a 'land bridge' towards the East Coast.





Figure 8: Asia-Europe (Shanghai-Rotterdam) container shipping services will need an extra eight days to sail via the Cape of Good Hope (36 days) vs. sailing via the Suez Canal (28 days); Middle East Gulf (MEG) to Europe crude tanker shipping (Basra, Iraq to Fos, France) will need an extra 21 days to sail via the Cape of Good Hope (39 days) vs. sailing via the Suez Canal (18 days)

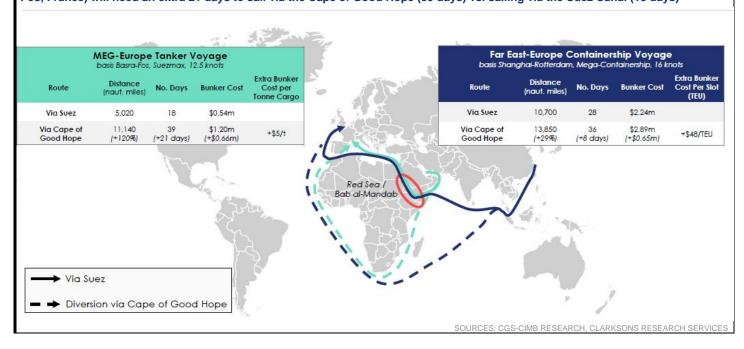
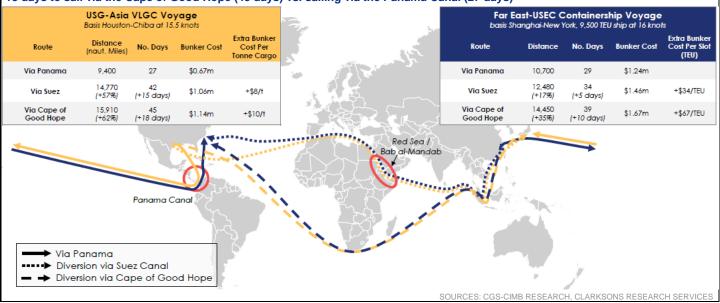


Figure 9: Asia-US east coast (Shanghai-New York) container shipping services will need an extra five days to sail via the Cape of Good Hope (39 days) vs. sailing via the Suez Canal (34 days), and an extra 10 days to sail via the Cape of Good Hope (39 days) vs. sailing via the Panama Canal (29 days); US Gulf (USG) to Asia gas tanker shipping (Houston, US to Chiba, Japan) will need an extra 18 days to sail via the Cape of Good Hope (45 days) vs. sailing via the Panama Canal (27 days)





## Modest impact on oil tanker and LNG tanker rates >

Clarksons estimates that only about **9% of the global oil tanker fleet**, 9-10% of the global LNG/LPG fleet, and 4% of the global dry bulk carrier fleet pass through the Suez Canal. This is lower than the equivalent of 20% for the seaborne container trade. As a result, the impact of the Houthi attacks on Red Sea shipping will not be as significant on non-container shipping segments.

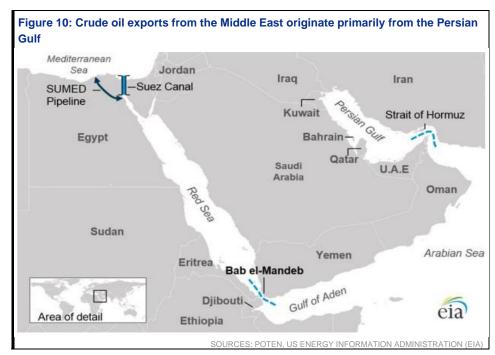
For the oil tanker trades, consultancy Vortexa estimated that **72% of the oil tanker southbound transits through the Suez Canal comprise of Russian crude oil exports**, which we believe most likely originates from Russia's Black Sea or Baltic Sea ports on aframax or suezmax tankers heading towards East of Suez markets, such as India and China.

Shipping consultancy Poten suggests that these eastbound Russian crude oil exports will most likely continue using the Suez Canal on southbound transits, and the return, ballast legs will also most likely continue to traverse the Suez Canal on northbound transits, because the Houthi rebels are unlikely to attack vessels carrying Russian oil due to the close relationship between Russia and Iran

If Poten's assumptions turn out to be correct, then the impact of the Houthi attacks on Red Sea shipping may not be that significant to the crude oil tanker shipping market, compared to the container shipping market.

Also, we note that a lot of crude oil that is exported from major Middle East producers such as Saudi Arabia (from the port of Ras Tanura), Kuwait (from the port of Mina al-Ahmadi), the UAE (from the port of Fujairah), Iraq (from the port of Basra) and Iran (from the port of Kharg) originate from the Persian Gulf, not the Red Sea. Persian Gulf crude oil exports that head east towards Asia do not pass through the Gulf of Aden or the Red Sea (Figure 10).

However, this is not to say that there will be no impact on the crude tanker shipping markets. Persian Gulf crude oil exports on Very Large Crude Carriers (VLCC) to Europe sail westwards through the Gulf of Aden and then sail northwards through the Red Sea to discharge at the port of Ain Sukhna, Egypt (on the Red Sea), before the oil is piped northwards on the SUMED pipeline to the port of Sidi Kerir, Egypt (on the Mediterranean Sea), and then lifted by aframaxes to be delivered to Trieste, Italy or Fos, south of France. These VLCC movements from the Persian Gulf to Ain Sukhna may be disrupted, forcing sailings around the Cape of Good Hope. Crude oil exports on suezmax tankers from the Persian Gulf to France via the Suez Canal, which typically take 18 days, may take 39 days via the Cape of Good Hope (Figure 8).



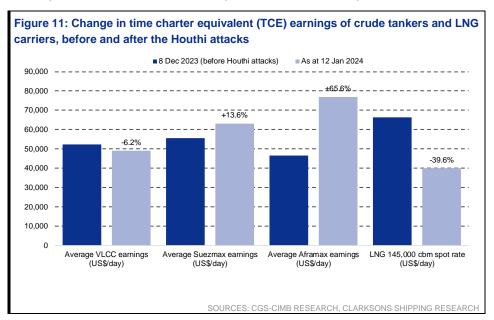


Another potential disruption is for product tanker movements of clean petroleum products from the Middle East/India to Europe, which usually passes through the Suez Canal. Some of these product tankers may also have to reroute via the Cape of Good Hope. The Red Sea impact has caused **product tanker shipping rates** to increase significantly. For instance, between Kuwait and Rotterdam, Long Range 1 (LR1) clean tankers and Medium Range (MR) clean tanker rates have risen between 90% and 130% between 8 Dec 2023 and 12 Jan 2024. However, product tanker rates in other regions did not necessarily follow suit.

The impact of the Red Sea crisis on **crude tanker shipping rates** has so far been modest, if any. Average VLCC (> 200,000 deadweight tonnes capacity) earnings have actually declined in the week ending 12 Jan 2024, compared to the week ending 8 Dec 2023 before the Houthi attacks began. Average suezmax tanker (120,000 - 200,000 dwt capacity) earnings rose by only 13.6% over that time period, and only average aframax tanker (80,000 - 120,000 dwt capacity) earnings rose by a more significant 65.6% (Figure 11).

According to Clarksons, the rise in aframax tanker rates since the Houthi attacks have not been universal across all route regions but have been concentrated in the cross-Mediterranean shipments. Aframax crude tanker rates have also risen sharply in the past five weeks since 8 Dec 2023 for shipments originating from Latin America to Europe (Curacao to Hamburg, Germany) and the intra-Gulf of Mexico shipments (e.g. Curacao to Texas, US); these freight rate increases may have less to do with the Red Sea crisis, and have instead been influenced by Panama Canal water restrictions which have absorbed product tanker capacity for shipments between the US Gulf and the West Coast of South America, and which may have spilled over into the aframax space.

Separately, **LNG tanker rates** have actually declined c.40% since the Houthi attacks started, mainly because of ample natural gas storage in Europe, and the consequential moderation in LNG import demand into Europe.





# Positive impact on MISC, but not necessarily from the Houthi attacks >

In general, any diversion of crude oil and refined product shipping via the Cape of Good Hope, instead of the Red Sea/Suez Canal routing, is incrementally positive for tanker freight rates.

The positive impact on tanker freight rates is not likely to be as high as for the container shipping sector, because oil shipments via the Suez Canal are only about 9% of the entire oil fleet (in terms of GT), compared to about 20% for the global containership fleet. Also, Russian crude oil shipments make up 72% of the southbound Suez Canal transits, and we suspect that Russia may continue to send its ships through the Red Sea.

Despite these qualifications, the Houthi attacks on Red Sea shipping will most likely be positive for crude tanker shipping rates. This is on top of Panama Canal transit restrictions due to the drought that have already boosted product and crude tanker shipping rates in the Gulf of Mexico region. At least half of MISC's aframax tanker fleet is based in the US Gulf, and will be in a position to benefit from the aforementioned rate strength.

As can be seen in Figures 12-17, crude tanker spot freight rates have risen sharply in 4Q23 and in the first two weeks of Jan 2024 (1Q24), from the trough of the 3Q23 summer lull. This is on the back of a recovery in Chinese crude oil imports, which may have increased by c.11% yoy in 2023, in our estimate, as well as the general overproduction of crude oil globally, which caused the oil inventories of OECD nations to rise by 2.7% in Dec 2023, vs. Dec 2022.

The outlook for crude tanker freight rates for 2024-2025F looks strong, with Clarksons forecasting fleet growth of just 0.2% p.a. in both years, while it expects tonne-mile crude tanker demand to rise by more than 3% p.a. These demand forecasts were released prior to the Houthi attacks and may have to be revised higher to take into account increases in distances shipped via the Cape of Good Hope. The longer the Houthi attacks last, the bigger the potential positive impact on tanker freight rates.



 VLCC 1-year time charter rates (US\$/day) 100.000 60.000 40,000 20,000 -20,000 SOURCES: CGS-CIMB RESEARCH, CLARKSONS RESEARCH SERVICES

Figure 13: VLCC crude tanker spot freight rates (US\$/day) quarterly averages

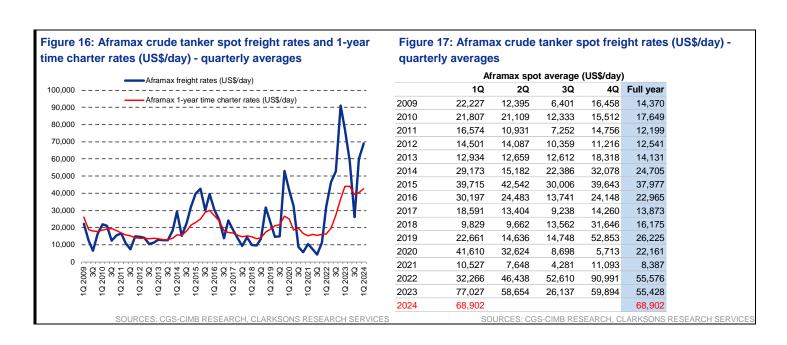
|      | V      | LCC spot | average ( | US\$/day) |           |
|------|--------|----------|-----------|-----------|-----------|
|      | 1Q     | 2Q       | 3Q        | 4Q        | Full year |
| 2009 | 45,134 | 20,955   | 16,850    | 30,799    | 28,434    |
| 2010 | 48,964 | 48,078   | 19,065    | 20,132    | 33,797    |
| 2011 | 24,680 | 14,793   | 7,567     | 16,119    | 18,263    |
| 2012 | 26,194 | 27,441   | 4,860     | 14,942    | 21,187    |
| 2013 | 7,115  | 11,209   | 11,674    | 34,870    | 18,621    |
| 2014 | 29,398 | 13,824   | 22,090    | 43,948    | 30,015    |
| 2015 | 55,239 | 60,940   | 55,811    | 87,395    | 64,846    |
| 2016 | 58,367 | 42,969   | 19,659    | 46,639    | 41,488    |
| 2017 | 26,518 | 18,229   | 10,092    | 16,334    | 17,794    |
| 2018 | 6,701  | 5,301    | 9,909     | 40,331    | 15,561    |
| 2019 | 25,625 | 11,565   | 25,504    | 102,761   | 41,364    |
| 2020 | 84,557 | 88,907   | 23,711    | 15,404    | 53,145    |
| 2021 | 3,989  | 2,837    | 503       | 5,378     | 3,177     |
| 2022 | -3,590 | -2,978   | 31,740    | 67,650    | 23,205    |
| 2023 | 54,777 | 44,644   | 27,910    | 44,361    | 42,923    |
| 2024 | 41,667 |          |           |           | 41,667    |

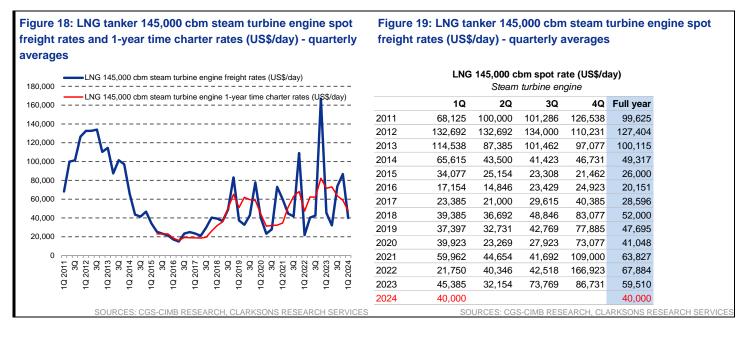
SOURCES: CGS-CIMB RESEARCH, CLARKSONS RESEARCH SERVICE

SOURCES: CGS-CIMB RESEARCH, CLARKSONS RESEARCH SERVIO



Figure 14: Suezmax crude tanker spot freight rates and 1-year Figure 15: Suezmax crude tanker spot freight rates (US\$/day) time charter rates (US\$/day) - quarterly averages quarterly averages Suezmax spot average (US\$/day) Suezmax freight rates (US\$/day) 1Q 2Q 3Q 4Q Full year 28.391 2009 38.011 22,703 13.828 25,733 Suezmax 1-year time charter rates (US\$/day) 2010 33,035 34,799 18,073 25,548 27,820 70.000 2011 24,599 15,728 10,151 23,251 18,154 2012 24.569 19.782 10.276 13.005 16.908 60.000 2013 14,576 11,987 11,704 23,777 15,511 50.000 2014 31,041 15.940 23.330 40.851 27,791 2015 50,455 46,923 52,352 37,123 46,713 40.000 2016 37,914 28,222 15,508 29,554 27,567 30.000 2017 19.690 14.452 10.646 16.957 15.436 20,000 2018 6,588 10,364 11,489 37,422 16,466 2019 21.391 15.425 16 602 72 822 31.560 10,000 2020 55,001 47,275 12,229 6,455 30,240 2021 9.156 5.177 4.173 10.547 7,263 10 2009 10 2010 10 2011 10 2012 10 2013 10 2014 10 2015 3Q 1Q 2016 3Q 1Q 2017 16.666 2022 30.861 46.217 81.281 43.756 2023 70.911 29.099 57.271 53.479 2024 61,726 61,726







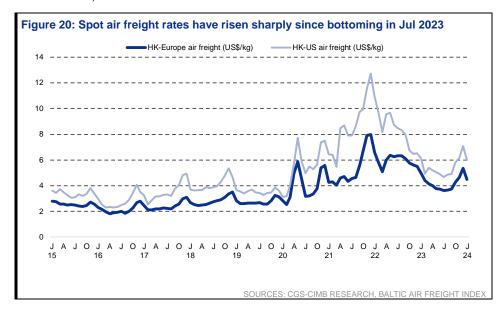
MISC operates a fleet of 56 tankers, of which 17 are shuttle tankers locked into long-term time charter contracts. Excluding the shuttle tankers, MISC has a fleet of 39 tankers, of which 36 are crude tankers, two are product tankers, and one is a chemical tanker. Of the 36 crude tankers, 10 are VLCCs, six are suezmax tankers, and 20 are aframax tankers. In terms of deadweight tonnage (dwt) capacities, VLCCs are almost triple the size of the aframax tankers, and about double the size of the suezmax tankers.

For the above 36 crude tankers, MISC disclosed in Nov 2023 that the fleet capacity in terms of days had spot exposure of 15% and term exposure of 85% at end-Sep 2023. VLCCs enjoyed the highest spot exposure of 25%, suezmaxes 22%, and aframaxes at just 7%. Because of MISC's low exposure in the aframax segment, the increase in spot aframax freight rates since the Houthi attacks may only have a small incremental impact to MISC. Conversely, MISC has a relatively large spot exposure for its VLCC fleet, and VLCC spot earnings actually fell 6.2% between 8 Dec 2023 and 12 Jan 2024 (Figure 11).

# Singapore Airlines (SIA) is a potential beneficiary of higher container shipping rates >

We upgraded our recommendation on SIA to an Add with a higher target price of S\$6.91 in a note on <u>9 Jan 2024</u>, on the back of continued strong passenger demand, a sharp 30% qoq rise in airfreight spot rates in the Oct-Dec 2023 quarter (vs. the Jul-Sep 2023 quarter), moderating jet fuel prices, and a potential bumper final DPS of 40 Scts to be announced in May 2024F in conjunction with the release of SIA's full-year results for the year ending 31 Mar 2024F.

Spot air freight rates on Asia-Europe and Asia-US routes have dropped 15-20% by end-2023 (this is plotted above "J 24" in Figure 20) relative to their Dec 2023 averages due to the end of the seasonal shipping surge, according to website Air Cargo News, and is likely to moderate further as the Lunar New Year approaches, in our view. However, lengthening container shipping times between Asia and Europe because of the Red Sea crisis, and longer shipping times between Asia and East Coast North America because of low water levels in the Panama Canal, could potentially keep airfreight rates higher than it would otherwise be, in our view.





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|----|---------------------|--------------------------------|----------------|----------------|------------------|
|    |                     |                                |                | Recom.         | Target price     |
| 1  | Maersk              | MAERSKA DC                     | DKK13,070.00   | Not rated      | N.A.             |
| 2  | CMA CGM             | Not listed                     | N.A.           | N.A.           | N.A.             |
| 3  | MSC                 | Not listed                     | N.A.           | N.A.           | N.A.             |
| 4  | Hapag Lloyd         | HLAG GR                        | €159.10        | Not rated      | N.A.             |
| 5  | SK Shipping         | Not listed                     | N.A.           | N.A.           | N.A.             |
| 6  | NYK                 | 9101 JT                        | JPY5,191       | Not rated      | N.A.             |
| 7  | OOCL                | 316 HK                         | HK\$114.90     | Not rated      | N.A.             |
|    |                     | SOURCES: CGS-CIMB RESEARCH. BL | OOMBERG: NOTE: | SHARE PRICE AS | S AT 16 JAN 2024 |



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|--------------|-----------|-----------|---------|----------|------------------|
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| Distribution of stock ratings and investment bank | ing clients for quarter ended on 31 December | 2023                           |
|---|--|--------------------------------|
| 636 companies under coverage for quarter ende     | ed on 31 December 2023                       |                                |
|   | Rating Distribution (%)                      | Investment Banking clients (%) |
| Add   | 67.5%  | 1.3%                           |
| Hold  | 22.5%  | 0.0%                           |
| Reduce  | 10.1%  | 0.2%                           |

| Recommendation         | Framework  |
|------------------------|--|
| Stock Ratings          | Definition:  |
| Add                    | The stock's total return is expected to exceed 10% over the next 12 months.  |
| Hold                   | The stock's total return is expected to be between 0% and positive 10% over the next 12 months.  |
| Reduce                 | The stock's total return is expected to fall below 0% or more over the next 12 months.   |
|                        | eturn of a stock is defined as the sum of the: (i) percentage difference between the target price and the current price and (ii) the forward net stock. Stock price targets have an investment horizon of 12 months. |
| Sector Ratings         | Definition:  |
| Overweight             | An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recommendation.  |
| Neutral                | A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation.   |
| Underweight            | An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation.   |
| <b>Country Ratings</b> | Definition:  |
| Overweight             | An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark.   |
| Neutral                | A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark.   |
| Underweight            | An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark.   |

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