







Malaysia

ADD (no change)

Consensus ratings*: Buy 5	Hold 8 Sell 1
Current price:	RM7.25
Target price:	RM8.00
Previous target:	RM8.00
Up/downside:	10.3%
CGS-CIMB / Consensus:	2.9%
Reuters:	MISC.KL
Bloomberg:	MISC MK
Market cap:	US\$7,263m
	RM32,362m
Average daily turnover:	US\$3.99m
	RM17.52m
Current shares o/s:	4,464m
Free float:	8.8%
*Source: Bloomberg	

Key changes in this note

No change to core EPS forecasts.



		Source: Bi	oomberg
Price performance	1M	ЗМ	12M
Absolute (%)	6.8	-4.6	8
Relative (%)	2.1	-0.5	8.8
Major shareholders		(% held
Petronas			57.6
EPF			11.1
PNB			8.8

MISC Bhd

Critical to watch 2Q22F results

- MISC 2Q22 results on 18 Aug 2022 is very important as it may offer critical insights on whether strong tanker spot rates are finally benefitting MISC.
- We also expect a reversal of construction profits on the FPSO Mero-3 project as well as guidance on the revised capex budget for the project.
- Reiterate Add and SOP-based TP of RM8; both of the above developments could put a floor on the near-term uncertainty and help the share price rerate.

Investors need proof that strong aframax rates can benefit AET

Crude tanker spot freight rates for the small aframax tankers have jumped since the Russia-Ukraine war started on 24 Feb 2022. Therefore, when MISC released its 1Q22 results in May 2022, investors were disappointed that its tanker arm, AET, merely broke even (vs. a small pretax profit in 4Q21). In our view, this was because there is usually a time lag for AET to benefit from stronger aframax rates, while AET probably incurred losses on its spot VLCC fleet that was exposed to negative TCE rates due to vessel oversupply. When MISC releases its 2Q22F results, we would be looking for evidence that the strong aframax rates will be able to overcome the drag from the VLCC side. This will be the key for investors to gain confidence in MISC as an investment story, in our view. So far in 3Q22F, we highlight that the aframax and suezmax rates have strengthened significantly qoq, and even VLCC rates have been restored to positive levels as China's crude oil demand has likely rebounded with the relaxation of pandemic lockdowns. While this is directionally positive for AET, investors still need confirmation from the 2Q22F results and MISC's guidance at the analyst briefing.

FPSO Mero-3 profit reversals and capex budget need to be clarified

MISC is facing cost overruns in its FPSO Mero-3 construction project and execution delays. The DCF value of the FPSO Mero-3 project to MISC's SOP was reduced by 25% from RM0.84/share to RM0.63/share in our 27 May note, as we pencilled-in higher project capex of US\$2.2bn, from US\$1.8bn previously, due to project execution delays and cost overruns. On 29 and 30 Jun 2022, MISC's President/Group CEO Datuk Yee Yang Chien cautioned investors and analysts about the potential in 2Q22F for a write-back of earlier-recognised FPSO Mero-3 construction profits (see our 1 Jul note). If MISC provides realistic guidance about the FPSO Mero-3 project capex at the 2Q22F results release, the stock price can reflect that guidance and hopefully find a floor.

It's all up to how MISC guides the market

MISC's share price fell from RM7.10 on 30 Jun to a recent low of RM6.54 on 13 Jul in the wake of MISC's disclosures about the Mero-3 project, and while the stock recovered to RM7.25, it is still below the recent high of RM7.84 on 5 May. The 2Q22F results may be a catalyst for a further rerating if AET finally delivers solid profits, and if MISC makes the necessary provisions and write-offs to properly reflect Mero-3's project risks. However, if MISC fails to do so, the downside risk is for ongoing uncertainty to limit price upside.

Financial Summary	Dec-20A	Dec-21A	Dec-22F	Dec-23F	Dec-24F
Revenue (US\$m)	2,237	2,575	3,117	2,964	2,461
Operating EBITDA (US\$m)	914	848	1,039	1,056	1,044
Net Profit (US\$m)	(10.7)	434.3	488.0	508.3	507.7
Core EPS (US\$)	0.11	0.10	0.11	0.11	0.11
Core EPS Growth	23.2%	(2.9%)	4.4%	4.2%	(0.1%)
FD Core P/E (x)	15.08	15.54	14.88	14.29	14.31
DPS (US\$)	0.079	0.080	0.077	0.077	0.077
Dividend Yield	4.83%	4.90%	4.72%	4.72%	4.72%
EV/EBITDA (x)	9.74	11.04	8.90	8.06	7.13
P/FCFE (x)	14.67	64.66	5.47	5.22	5.97
Net Gearing	19.9%	26.0%	24.8%	16.3%	4.1%
P/BV (x)	0.90	0.89	0.87	0.85	0.84
ROE	5.83%	5.76%	5.90%	6.03%	5.91%
% Change In Core EPS Estimates			(0%)	(0%)	(0%)
CGS-CIMB/Consensus EPS (x)			1 17	1 14	1 02

SOURCES: CGS-CIMB RESEARCH COMPANY REPORTS

Analyst(s)



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Crude tanker freight rates have done well in 2Q and 3Q22 ➤

Crude tanker time charter equivalent (TCE) rates have done very well since the outbreak of the Russia-Ukraine war on 24 February 2022, especially for the smaller tanker sizes, i.e. suezmax and aframax rates (see Figures 1-7).

Even TCE rates for the largest tanker size, VLCCs, have recovered from negative levels; TCE rates descend to negative levels when gross freight revenues (cargo tonnes carried x freight rate per tonne) are unable to cover voyage costs like fuel and port charges.

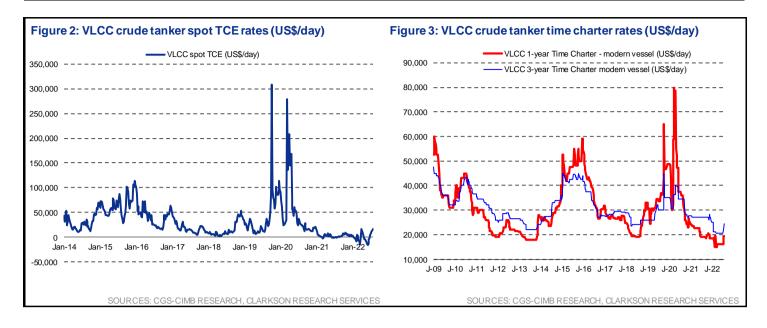
- Average spot TCE rates for VLCCs have recovered from negative US\$3,590/day in 1Q22 to US\$8,443/day so far in 3Q22F (between 1 July and 5 August 2022), although this is still historically very low.
- Suezmax spot TCE rates have risen from US\$16,666/day in 1Q22 to US\$41,716/day in 3Q22F, within striking distance to all-time highs.
- Aframax spot TCE rates have spiked from US\$32,266/day in 1Q22 to US\$52,019/day in 3Q22F, which is just a whisker lower than historic highs.

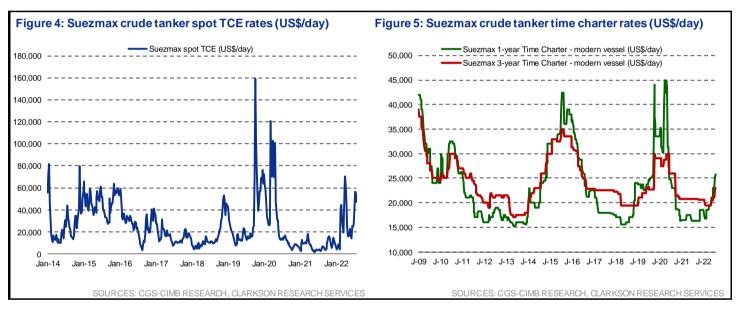
Higher TCE spot rates have also spilled over into time charter (TC) rates for the leasing of entire ships, particularly for suezmaxes and aframaxes, although TC rates for VLCCs remain at the bottom of the chart.

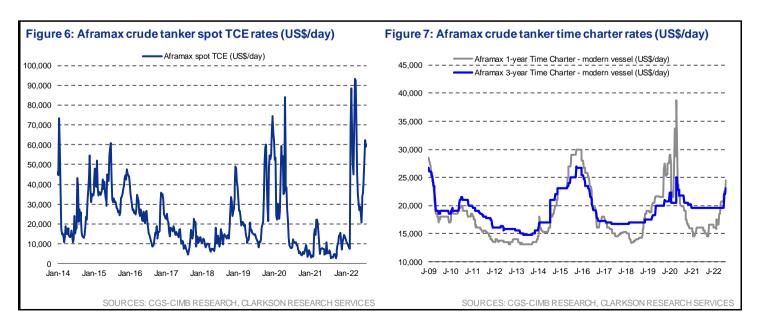
We expect the positive freight rate momentum to benefit MISC's aframax tanker fleet, which we think almost half of which is exposed to the spot market (44% of MISC's aframax fleet was trading in the spot market in 1Q22). However, this could be partly offset by historically-low VLCC TC and TCE rates, as we will elaborate later.

Figure	1: Dirty Ta	nker Tir	ne Chart	er Equi	valent Ra	ates (US	S/day)								
	\	/LCC spot	average (US\$/day)		Suezmax spot average (US\$/day)				Aframax spot average (US\$/day)				y)	
	1Q	2Q	3Q	4Q	Full year	1Q	2Q	3Q	4Q	Full year	1Q	2Q	3Q	4Q	Full year
2009	45,134	20,955	16,850	30,799	28,434	38,011	22,703	13,828	28,391	25,733	22,227	12,395	6,401	16,458	14,370
2010	48,964	48,078	19,065	20,132	33,797	33,035	34,799	18,073	25,548	27,820	21,807	21,109	12,333	15,512	17,649
2011	24,680	14,793	7,567	16,119	18,263	24,599	15,728	10,151	23,251	18,154	16,574	10,931	7,252	14,756	12,199
2012	26,194	27,441	4,860	14,942	21,187	24,569	19,782	10,276	13,005	16,908	14,501	14,087	10,359	11,216	12,541
2013	7,115	11,209	11,674	34,870	18,621	14,576	11,987	11,704	23,777	15,511	12,934	12,659	12,612	18,318	14,131
2014	29,398	13,824	22,090	43,948	30,015	31,041	15,940	23,330	40,851	27,791	29,173	15,182	22,386	32,078	24,705
2015	55,239	60,940	55,811	87,395	64,846	50,455	46,923	37,123	52,352	46,713	39,715	42,542	30,006	39,643	37,977
2016	58,367	42,969	19,659	46,639	41,488	37,914	28,222	15,508	29,554	27,567	30,197	24,483	13,741	24,148	22,965
2017	26,518	18,229	10,092	16,334	17,794	19,690	14,452	10,646	16,957	15,436	18,591	13,404	9,238	14,260	13,873
2018	6,701	5,301	9,909	40,331	15,561	6,588	10,364	11,489	37,422	16,466	9,829	9,662	13,562	31,646	16,175
2019	25,625	11,565	25,504	102,761	41,364	21,391	15,425	16,602	72,822	31,560	22,661	14,636	14,748	52,853	26,225
2020	84,557	88,907	23,711	15,404	53,145	55,001	47,275	12,229	6,455	30,240	41,610	32,624	8,698	5,713	22,161
2021	3,989	2,837	503	5,378	3,177	9,156	5,177	4,173	10,547	7,263	10,527	7,648	4,281	11,093	8,387
2022	-3,590	-2,978	8,443		625	16,666	30,861	41,716		29,748	32,266	46,438	52,019		43,574
Change y	oy (%)														
2010	8.5%	129.4%	13.1%	-34.6%	18.9%	-13.1%	53.3%	30.7%	-10.0%	8.1%	-1.9%	70.3%	92.7%	-5.8%	22.8%
2011	-49.6%	-69.2%	-60.3%	-19.9%	-46.0%	-25.5%	-54.8%	-43.8%	-9.0%	-34.7%	-24.0%	-48.2%	-41.2%	-4.9%	-30.9%
2012	6.1%	85.5%	-35.8%	-7.3%	16.0%	-0.1%	25.8%	1.2%	-44.1%	-6.9%	-12.5%	28.9%	42.8%	-24.0%	2.8%
2013	-72.8%	-59.2%	140.2%	133.4%	-12.1%	-40.7%	-39.4%	13.9%	82.8%	-8.3%	-10.8%	-10.1%	21.8%	63.3%	12.7%
2014	313.2%	23.3%	89.2%	26.0%	61.2%	113.0%	33.0%	99.3%	71.8%	79.2%	125.5%	19.9%	77.5%	75.1%	74.8%
2015	87.9%	340.8%	152.7%	98.9%	116.0%	62.5%	194.4%	59.1%	28.2%	68.1%	36.1%	180.2%	34.0%	23.6%	53.7%
2016	5.7%	-29.5%	-64.8%	-46.6%	-36.0%	-24.9%	-39.9%	-58.2%	-43.5%	-41.0%	-24.0%	-42.5%	-54.2%	-39.1%	-39.5%
2017	-54.6%	-57.6%	-48.7%	-65.0%	-57.1%	-48.1%	-48.8%	-31.3%	-42.6%	-44.0%	-38.4%	-45.2%	-32.8%	-40.9%	-39.6%
2018	-74.7%	-70.9%	-1.8%	146.9%	-12.5%	-66.5%	-28.3%	7.9%	120.7%	6.7%	-47.1%	-27.9%	46.8%	121.9%	16.6%
2019	282.4%	118.2%	157.4%	154.8%	165.8%	224.7%	48.8%	44.5%	94.6%	91.7%	130.5%	51.5%	8.7%	67.0%	62.1%
2020	230.0%	668.8%	-7.0%	-85.0%	28.5%	157.1%	206.5%	-26.3%	-91.1%	-4.2%	83.6%	122.9%	-41.0%	-89.2%	-15.5%
2021	-95.3%	-96.8%	-97.9%	-65.1%	-94.0%	-83.4%	-89.0%	-65.9%	63.4%	-76.0%	-74.7%	-76.6%	-50.8%	94.2%	-62.2%
2022	-190.0%	-205.0%	1578.2%		-80.3%	82.0%	496.2%	899.6%		309.6%	206.5%	507.2%	1115.2%		419.5%
							(SOURCES: (CGS-CIMB	RESEARCH	, BALTIC EX	CHANGE, C	LARKSON F	RESEARCH	SERVICES











MISC operates the petroleum tanker shipping business via its wholly-owned AET.

As at 31 March 2022, AET had a fleet of 9 VLCCs, 6 suezmaxes and 24 aframaxes in its crude tanker shipping fleet (AET has since taken delivery of one additional VLCC). AET also operates 2 LR2 clean tanker vessels (that carry refined petroleum products), 14 shuttle tankers (that move oil between floating offshore production units and onshore terminal receiving points), and 3 chemical tankers, but we exclude these from our discussion today.

In terms of the number of crude tanker vessels, AET had 23% exposure to VLCCs, 15% exposure to suezmaxes, and 62% exposure to aframaxes, as at 31 March 2022.

Nevertheless, because of different cargo-carrying capacities, AET's exposure in terms of deadweight tonnes (dwt) is about 42% each for VLCCs and aframaxes, and 16% for suezmaxes. This more closely reflects the economic significance of different tanker vessel classes to AET.

The key takeaway is that while aframax and suezmax rates have done well, low VLCC rates may be a drag on AET's financial performance. It is not straightforward for analysts and investors to decipher whether the positive impact or the negative impact will be larger, due to limited disclosure by MISC of the durations and TC rates for the time charter contracts entered into for its VLCCs and suezmaxes.

This is why monitoring AET's 2Q22 results performance will be key; MISC will be releasing its 2Q22 quarterly results next week, 18 August. If AET succeeds in delivering a strong pretax profit in 2Q22, vs. the breakeven reported for 1Q22, then we will have greater confidence that AET is on track to report robust profits in FY22F vs. FY21. It is possible for AET to report strong qoq profit improvement, because tanker freight rates only rallied from late-February 2022 (after the Russia-Ukraine war started), and there is usually a 1-2 months' time lag for the higher rates to be reflected in AET's financial performance.

However, if AET fails to report sufficiently strong qoq profit improvement due to the drag from the VLCC segment, we may have to reexamine at our FY22F core profit estimates for AET and for MISC as a whole. Currently, our FY22F core net profit estimate for MISC is 19% higher than Bloomberg consensus, predicated on a strong AET performance (our AET pretax profit estimate for FY22F stands at US\$136m, vs. US\$38m in FY21).

Push and pull factors that may affect AET's earnings performance ➤

AET's VLCCs impacted by expired time charters and weak spot TCE rates

AET's VLCCs have traditionally been almost entirely time chartered out to other ship operators, which means that they are leased out as whole ships. AET reported that some of its VLCC time charters expired in 1Q22, and AET was reluctant to commit those vessels to new time charters due to the rock-bottom TC rates prevailing at that time (Figure 3). Therefore, AET was forced to leave those VLCCs open in the spot market, and AET was subsequently hurt by loss-making TCE rates, since VLCC TCE spot rates averaged a negative US\$3,590/day in 1Q22 (Figure 1). AET's VLCCs were 25% exposed to the spot market on average during 1Q22, from just 6% in 4Q21.

VLCC TC rates have since barely improved, hence, it is unlikely for AET to have signed new long-term time charters. The good news is that TCE spot rates have risen to positive territory, averaging US\$8,443/day QTD in 3Q22F. For the week ended 5 August 2022, VLCC TCE rates hit US\$15,667/day, according to shipbroker Clarksons. The bad news is that these spot rates are still below the prevailing TC rate of US\$19,500/day, which is already one of the lowest TC rates historically for VLCCs. Our preliminary conclusion is that the financial performance of AET's VLCCs are almost certain to be weaker YTD 2022F than in the same period last year, as historic time charters expired and AET's VLCCs became exposed to a still-weak VLCC TCE rate environment. If current



conditions for VLCC spot freight markets continue for the rest of the year, then AET's VLCCs will likely report lower profits in FY22F vs. FY21 (MISC does not provide a breakdown of AET's pretax profits by vessel class).

AET's suezmaxes should enjoy higher earnings

AET's suezmaxes are typically time chartered out to other ship operators, and about one-quarter to one-third is usually exposed to the spot market. However, the proportion exposed to the spot market rose to a high of 42% in 1Q22 as several suezmax time charters had expired during or slightly after 4Q21.

On the balance of probability, we expect AET's suezmaxes to deliver stronger profits in FY22F as TCE spot rates have done extremely well, and any vessels on expired time charters can be redeployed to the spot market to benefit from the spike in TCE rates. Even TC rates have done very much better so far in 2022F, compared to all of 2021.

AET's aframaxes are enjoying powerful rate tailwinds

In contrast to the weakish outlook for the VLCC fleet, AET's aframax tankers are likely enjoying very strong TCE spot rates so far in 2022F.

AET has traditionally used its aframax fleet for voyages (to ship crude oil from load port to discharge port), and to perform lightering services in the US Gulf of Mexico (US GOM). Its vessels are primarily based in the US GOM and Latin America, but several are based in Southeast Asia. Typically, slightly under half of its aframaxes trade in the spot freight markets, while the remainder perform lightering services under cost of affreightment (COA) contracts. AET's COAs are considered 'term' contracts as opposed to 'spot', but these COA rates may fluctuate within an upper and lower bound based on prevailing spot rates and may not be entirely fixed in nature. This means that all of AET's aframaxes enjoy some degree of spot exposure, which will be very beneficial to AET this year.

Aframax TCE spot rates have done well, as shown in Figure 6, although it is hard to make a definitive judgment due to the significant weekly volatility. Averaging out the TCE rates by quarter, as shown in Figures 8-11, we get a clearer picture for the specific route regions where AET is primarily exposed to:

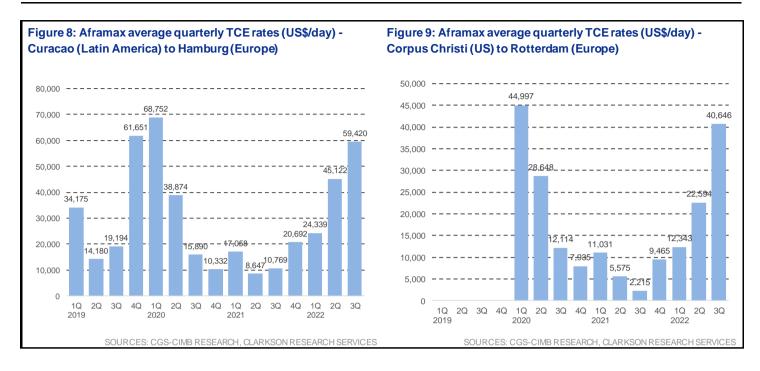
- Average quarterly af ramax TCE spot rates between Curacao (Latin America) and Hamburg (Europe) have risen 2.9x between 4Q21 and 3Q22F (1 July to 5 August 2022);
- Between Corpus Christi (US) and Rotterdam (Europe), they have risen 4.3x;
- Between Curacao (Latin America) and Texas (US), they have risen 3.6x;
- Between Singapore (SE Asia) and Chiba (Japan), they have risen 5.7x in that same time period.

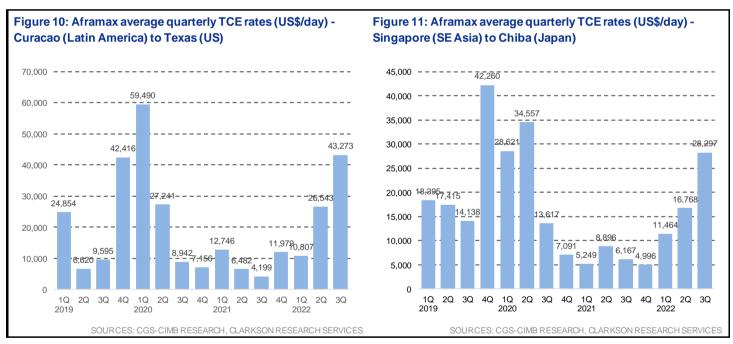
In fact, TCE spot rates for the week ended 5 August 2022 are even higher than the 3Q22F averages, with:

- Curacao-Hamburg at US\$74,062/day (vs. US\$59,420/day average for 3Q22F);
- Corpus Christi-Rotterdam at US\$56,586/day (vs. US\$40,646/day);
- Curacao-Texas at US\$46,411 (vs. US\$43,273/day); and
- Singapore-Chiba at US\$46,026 (vs. US\$28,297/day).

As a result of the prevailing spot rate strength, we expect AETs aframax fleet to show significantly better results in 2Q22F and 3Q22F on a goq and yoy basis.







Why are crude tanker freight rates starting to do well? ➤ Why VLCC rates were so weak during 1H22

VLCC TCE spot rates were in negative territory in 1Q22 and 2Q22 because of continued VLCC newbuilding deliveries and fleet growth were juxtaposed against China's Covid-19-related lockdowns, which had reduced demand for crude oil imports. China is probably the single-largest source of VLCC demand.

According to China Customs, China's imports of crude oil averaged 42.6m tonnes in 1Q22, which is only 1.7% higher than the 41.9m tonnes imported in 4Q21 (and 8.2% lower than the 46.4m tonnes imported in 1Q21).

However, during 2Q22, China's crude oil imports fell 3.1% qoq to an average of 41.3m tonnes (2% higher than 2Q21's 40.5m tonnes). This is equivalent to a decline in crude oil imports of 1 million barrels per day (mbpd), or about 1% of global demand. VLCC TCE rates plunged to negative US\$15,466/day for the week ended 10 June 2022, the lowest in years, coinciding with Chinese crude oil imports declining to just 35.8m tonnes in June 2022, the lowest since June 2018.

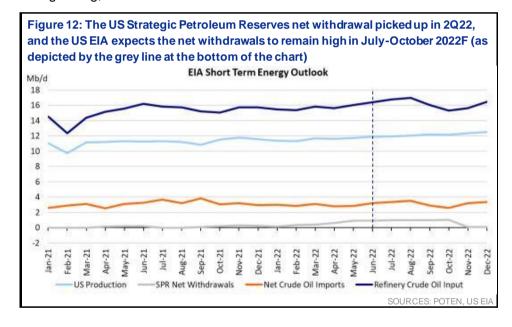


Meanwhile, the outstanding global fleet of VLCCs increased by 2.3% between December 2021 and July 2022, as newbuilding deliveries exceeded scrapping. Although average OPEC crude oil production during 7M22 increased by 3% against the December 2021 production level, oil storage levels increased in 2Q22 vs. 1Q22 due to lower demand, according to the US Energy Information Administration (EIA), which had probably led to lower seaborne exports.

Why VLCC rates are finally strengthening

From early-July 2022, VLCC rates started to strengthen as China gradually lifted lockdown restrictions, which probably led to higher crude oil imports (China's crude oil import data for July has not yet been released). This has dovetailed well with higher OPEC output.

VLCC rates have also benefitted from the rise in US exports of crude oil to Europe. This is on the back of higher US crude oil production, as well as the release of US Strategic Petroleum Reserves (SPR), which picked up pace in 2Q22, and which the US EIA expects to sustain at a high level between July and October 2022F. The SPR releases can be purchased by domestic US refineries, but has also been exported globally. These exports can be shipped directly to Europe using aframaxes, or using suezmaxes and VLCCs with aframaxes used for lightering; therefore US SPR releases benefit all vessel classes.



Strong suezmax rates are also pushing up VLCC demand, as charterers attempt to combine two suezmax loads of 1m barrels each into one VLCC load of 2m barrels to save costs. According to shipbroker Braemar, combining two suezmaxes-sized cargoes onto a VLCC will result in longer ship loading times and only result in VLCCs being 80% full due to certain operational constraints. As a result, Braemar suggested that "on average, the VLCC fleet loading from the Middle East has carried about 3% to 5% less cargo since March 2022."

Looking forward, China's crude oil imports may trend even higher from September and October 2022, which are the peak consumption months. The International Energy Agency (IEA) is expecting Chinese oil demand to increase from 14.6 mbpd in 2Q22, to 15.7 mbpd in 3Q22F, and then to 15.9 mbpd in 4Q22F.

In China, independent 'teapot' refineries are typically allocated crude oil import quotas by the government, and cannot import as they wish. Since China's oil consumption demand was weak in 1H22 due to the Covid-19 lockdowns, the independent refineries imported less than their allocated quotas. Typically, independent refineries aim to finish their annual quota by the year end in order to secure sufficient quota in the following year. As such, assuming that the



independent refineries use up all their crude import quotas, it would imply a 46% hoh rise in their crude oil imports in 2H22F vs. 1H22, according to Platts. Independent refineries make up some 20-25% of China's total crude oil imports, based on information from Reuters. However, some analysts interviewed by Platts think that private refiners may not use up all their crude import quotas in order to avoid holding high-cost crude stocks at end-2022F. Still, there is a likelihood of higher Chinese crude oil imports in 2H22F vs. 1H22 that may help VLCC rates increase.

Also, under the EU's sixth sanctions package against Russia that was announced on 3 June 2022, EU member nations will not be allowed to import seaborne crude oil from Russia from 5 December 2022 and Russian imports of refined products will not be permitted from 5 February 2023. EU member states need to diversify their import sources from further away, which will increase tonne-miles of oil transport and increase demand for tankers towards late-2022F.

Why suezmax and aframax rates continue to do well

Aframax and suezmax rates are rising because of factors that we have already described above, such as higher US crude oil exports.

Another important factor is the Russia-Ukraine war, which caused the diversion of Russian crude exports from Europe to more-distant export destinations such as India and China. According to Reuters, during April-June 2022, India's imports of crude oil from Russia rose to 682,200 bpd, from 22,500 bpd in the same period last year. Meanwhile, China increased its purchases of Russian crude exported via the Russian Far Eastern port of Kozmino, which has helped to push up aframax TCE rates from Kozmino to Qingdao, China; these rates averaged US\$84,995/day in 3Q22F, vs. US\$51,573/day in 2Q22 and US\$19,050/day in 1Q22.

Aframax and suezmax tanker rates may also be benefitting from Libya's crude production returning to 1.2 mbpd after the lifting of force majeure on oil fields and exports on 15 July 2022. Crude production had reached a two-year low of 650,000 bpd in June.

Specifically in Asia, Platts noted that a breakdown in Thailand's Star Petroleum Refining Co.'s pipeline in Thailand since January 2022 resulted in aframaxes being used for lightering activities to offload VLCC cargoes and haul the crude into Map Ta Phut refining hub; this benefitted aframax demand-supply balances in Asia.

Meanwhile, Platts highlighted that aframaxes are also being used by the US to import fuel oil (FO) and vacuum gas oil (VGO) from the Middle East after the US stopped importing them from Russia. The starting-up of Malaysia's Pengerang oil refinery also resulted in aframax exports of atmospheric residue (AR) to the US.

The strength of the global refined products trade since the start of the Russia-Ukraine war has also contributed to higher aframax crude tanker shipping rates. This is because aframax-sized clean tankers, also called 'LR2' tankers, had muscled-in on crude cargoes when clean tanker rates were weak. However, the war caused Europe to reduce, as much as possible, imports of Russian refined products, and to find alternative sources further away. This increased the tonnemile demand in the product tanker trades and caused LR2 rates to spike. LR2 tankers that had erstwhile been carrying crude oil cleaned up their tanks in order to reenter the clean product trades. This led to lower availability of aframax crude tankers, and with higher tonne-mile demand, rates naturally rose.

Finally, the global aframax crude tanker fleet has grown by just 0.8% since the beginning of 2022, while the global suezmax crude tanker fleet has increased by 4.2%, but higher suezmax freight rates clearly show that the fleet growth has been more than offset by strong tonne-mile demand growth.



Developments in the LNG business

Award of an effective 1.75 LNG ship time charters from QatarEnergy

MISC announced on 10 August 2022 that its 25%-owned consortium with partners NYK (9101 JP, Not rated), K Line (9107 JP, Not rated), and China LNG Shipping (Holdings) Limited (931 HK, Not rated) successfully secured an award of time charter contracts for 7 x 174,000 cubic metres (cbm) LNG tanker vessels that will be built by Hyundai Heavy Industries (329180 KS, Not rated). This means that MISC had effectively won 1.75 new LNG ship time charters.

The LNG time charter contracts were awarded by QatarEnergy (Not listed), which is developing the North Field expansion project that is intended to significantly increase Qatar's LNG export capacity from 77 million tonnes per annum (mtpa) of LNG to 126 mtpa. The time charters for the seven LNG ships will commence in 2025F, according to MISC.

In 2Q20, Qatar Petroleum, which has since been renamed QatarEnergy, reserved up to 151 LNG berths in total at South Korea's big three shipbuilders and China's largest LNG yard, i.e. Hudong-Zhonghua Shipbuilding (Group) (Not listed), at US\$185m each. QatarEnergy has signed newbuilding and long-term charter deals on a total of 34 vessels.

MISC told analysts and investors in meetings on 29 and 30 June 2022 that its consortium had bid for 12 LNG time charters from QatarEnergy; having only secured seven to-date, we are unsure if a further five charters will be awarded down the road, or if seven is the final tally.

MISC did not officially disclose the actual capex cost of each LNG vessel, the time charter rates, nor the duration. However, industry newspaper Tradewinds reported that the price of each LNG tanker had risen to US\$215m, due to cost inflation. We think that the duration of the time charters would be between 10 and 20 years, probably 12 years or 15 years, in our estimate.

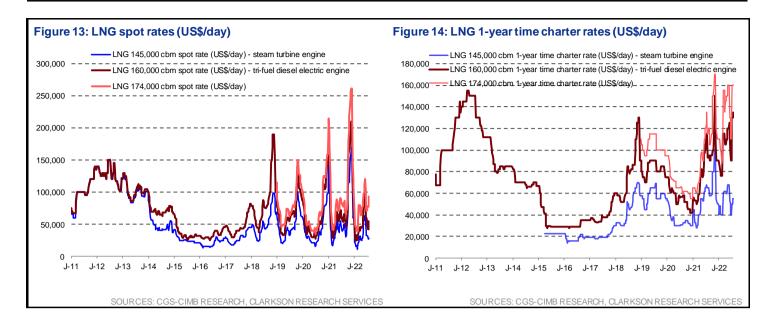
We are largely neutral on this contractual win, as QatarEnergy contracts are likely to command low daily charter rates, given the volume of business on offer to potential shipowners. Also, MISC's consortium partners are likely to enjoy lower cost of capital than MISC itself, hence, MISC may have had to accept lower returns, in our view. MISC has a fleet of 38 LNG-type vessels, comprising 30 of the traditional LNG carriers, two floating storage units, and six VLECs. Hence, an additional 1.75 effective LNG ships may not be significant overall.

Spot LNG rates weakened YTD 2022F vs. 2021

Spot LNG freight rates so far in 2022F (Figure 13 and 15) have weakened significantly compared to average levels seen in 2018-21. This is mainly because the US is exporting 70% of LNG production to Europe vs. just 15% in 2021, which has shortened tonne-miles demand.

The lower spot LNG freight rates may have a negative impact on MISC since four of its 30 traditional LNG carriers are trading on relatively short-term charters, with 26 on long-term charters. We are unable to estimate the negative impact without knowledge of when those short-term charters expire, but the negative impact, if any, should not be significant since it may impact only a small part of MISC's LNG portfolio.





	LNG	160,000 cl	bm spot ra es <i>el electri</i>		lay)	LNG	145,000 c l Steam	bm spot ra turbine er		day)	LNG	174,000 ck	om spotra	ite (US\$/c	lay)
	1Q	2Q	3Q	4Q	Full year	1Q	2Q	3Q	4Q	Full year	1Q	2Q	3Q	4Q	Full year
2011	72,292	100,000	101,250	126,538	100,577	68,125	100,000	101,286	126,538	99,625					
2012	132,692	132,692	133,462	110,654	127,375	132,692	132,692	134,000	110,231	127,404					
2013	119,154	90,154	106,769	101,308	104,346	114,538	87,385	101,462	97,077	100,115					
2014	77,769	68,462	67,846	73,692	71,942	65,615	43,500	41,423	46,731	49,317					
2015	50,615	32,154	29,538	31,846	36,038	34,077	25,154	23,308	21,462	26,000					
2016	29,308	28,615	36,571	39,385	33,528	17,154	14,846	23,429	24,923	20,151					
2017	40,846	34,462	42,538	66,385	46,058	23,385	21,000	29,615	40,385	28,596					
2018	65,385	58,000	82,000	149,385	88,692	39,385	36,692	48,846	83,077	52,000					
2019	55,615	48,577	65,269	107,885	69,337	37,397	32,731	42,769	77,885	47,695	67,851	61,192	74,808	123,808	81,915
2020	56,923	34,615	41,115	104,423	59,269	39,923	23,269	27,923	73,077	41,048	70,192	43,500	52,500	118,500	71,173
2021	84,423	57,962	58,788	150,804	89,179	59,962	44,654	41,692	109,000	64,679	101,500	74,327	77,942	189,429	112,283
2022	34,844	61,846	49,750		48,813	21,750	40,346	29,667		30,588	56,646	86,327	78,208		73,727
Change y	oy (%)														
2012	83.6%	32.7%	31.8%	-12.6%	26.6%	94.8%	32.7%	32.3%	-12.9%	27.9%					
2013	-10.2%	-32.1%	-20.0%	-8.4%	-18.1%	-13.7%	-34.1%	-24.3%	-11.9%	-21.4%					
2014	-34.7%	-24.1%	-36.5%	-27.3%	-31.1%	-42.7%	-50.2%	-59.2%	-51.9%	-50.7%					
2015	-34.9%	-53.0%	-56.5%	-56.8%	-49.9%	-48.1%	-42.2%	-43.7%	-54.1%	-47.3%					
2016	-42.1%	-11.0%	23.8%	23.7%	-7.0%	-49.7%	-41.0%	0.5%	16.1%	-22.5%					
2017	39.4%	20.4%	16.3%	68.6%	37.4%	36.3%	41.5%	26.4%	62.0%	41.9%					
2018	60.1%	68.3%	92.8%	125.0%	92.6%	68.4%	74.7%	64.9%	105.7%	81.8%					
2019	-14.9%	-16.2%	-20.4%	-27.8%	-21.8%	-5.0%	-10.8%	-12.4%	-6.3%	-8.3%					
2020	2.4%	-28.7%	-37.0%	-3.2%	-14.5%	6.8%	-28.9%	-34.7%	-6.2%	-13.9%	3.4%	-28.9%	-29.8%	-4.3%	-13.1%
2021	48.3%	67.4%	43.0%	44.4%	50.5%	50.2%	91.9%	49.3%	49.2%	57.6%	44.6%	70.9%	48.5%	59.9%	57.8%
2022	-58.7%	6.7%	-15.4%		-45.3%	-63.7%	-9.6%	-28.8%		-52.7%	-44.2%	16.1%	0.3%		-34.3%



SOP and target price calculation >

Current portfolio of assets	Value (US\$ m)	Value (RM m)	Per share (RM)	Notes
LNG business	3,487.2	14,995.0	3.36	
 Existing LNG carriers 	1,832.2	7,878.6	1.77	DCF, discounted using Ke of 7.9% on 27 LNG vessels; Year 1 WACC of
				4.6% on newer LNG ships rising to Ke of 7.9% in Year 13
- FSU Lekas (x 2)	339.7	1,460.7	0.33	Estimated finance lease receivable on the two FSU Lekas vessels
- MISC-Mitsubishi JV	103.8	446.5	0.10	Assume 25.5% stake for two 174,000 cbm LNG vessels delivered in 202
- MISC-Avenir JV	24.6	105.8	0.02	51% stake for one 7,500 cbm LNG bunkering vessel delivered in 1Q20
 ExxonMobil charter 	316.7	1,361.6	0.31	100% stake for two LNG vessels to be delivered in 1Q23F
- VLEC tankers	870.2	3,741.8	0.84	DCF on 6 VLEC tankers; Year 1 WACC of 4.6% rising to Ke of 7.9% in Year 13
				Year 13
Offshore business	2,803.3	12,054.1	2.70	
- Traditional assets	237.2	1,019.8	0.23	DCF, discounted using Ke of 7.9% on six offshore assets
- FPSO Cendor	166.0	713.9	0.16	Estimated finance lease receivable
- FPS Gumusut	1,610.3	6,924.4	1.55	Estimated finance lease receivable
- FSO Benchamas 2	31.5	135.5	0.03	Estimated finance lease receivable
- FSO Mekar Bergading	94.3	405.3	0.09	Estimated finance lease receivable
- FSO Idemitsu	13.2	56.7	0.01	Estimated finance lease receivable
- FPSO Mero-3	650.8	2,798.4	0.63	DCF, Ke 10.25% on US\$2.2bn capex, project IRR of c.7.2% over 22
				years contract period
Tanker shipping business	3.919.2	16.852.6	3.78	
- Petroleum tankers		7.297.9	1.63	Expected end-2022F values; assume 20% higher than end-2021 values
- Petroleum tankers under	209.2	899.6	0.20	Capex to be spent in 2020-2022F that is not reflected in fleet value
- Shuttle tankers	2,012.8	8,655.2	1.94	DCF on 17 shuttle tankers; Year 1 WACC of 4.6% rising to Ke of 7.9% in
				Year 13
Heavy Engineering	96.5	415.0	0.09	66.5% stake, based on price of RM0.39/share
Other fixed assets	453.6	1,950.6	0.44	Book value as at 31 December 2022F
Net cash/(debt)	-2,111.4	-9,079.1	-2.03	Forecast as at 31 December 2022F
Other net assets/(liabilities)	-343.5	-1,477.1	-0.33	
SOP of current asset portfolio	8,304.9	35,711.0	8.00	1
	LNG business - Existing LNG carriers - FSU Lekas (x 2) - MISC-Mitsubishi JV - MISC-Avenir JV - ExxonMobil charter - VLEC tankers Offshore business - Traditional assets - FPSO Cendor - FPS Gumusut - FSO Benchamas 2 - FSO Mekar Bergading - FSO Idemitsu - FPSO Mero-3 Tanker shipping business - Petroleum tankers - Petroleum tankers - Petroleum tankers - Shuttle tankers Heavy Engineering Other fixed assets Net cash/(debt) Other net assets/(liabilities)	LNG business 3,487.2 - Existing LNG carriers 1,832.2 - FSU Lekas (x 2) 339.7 - MISC-Mitsubishi JV 103.8 - MISC-Avenir JV 24.6 - ExxonMobil charter 316.7 - VLEC tankers 870.2 Offshore business 2,803.3 - Traditional assets 237.2 - FPS Cendor 166.0 - FPS Gumusut 1,610.3 - FSO Benchamas 2 31.5 - FSO Mekar Bergading 94.3 - FSO Idemitsu 13.2 - FPSO Mero-3 650.8 Tanker shipping business 3,919.2 - Petroleum tankers 1,697.2 - Petroleum tankers under 209.2 construction - Shuttle tankers 2,012.8 Heavy Engineering 96.5 Other fixed assets 453.6 Net cash/(debt) -2,111.4 Other net assets/(liabilities) -343.5	LNG business 3,487.2 14,995.0 - Existing LNG carriers 1,832.2 7,878.6 - FSU Lekas (x 2) 339.7 1,460.7 - MISC-Mitsubishi JV 103.8 446.5 - MISC-Avenir JV 24.6 105.8 - ExxonMobil charter 316.7 1,361.6 - VLEC tankers 870.2 3,741.8 Offshore business 2,803.3 12,054.1 - Traditional assets 237.2 1,019.8 - FPS Cendor 166.0 713.9 - FPS Gumusut 1,610.3 6,924.4 - FSO Benchamas 2 31.5 135.5 - FSO Mekar Bergading 94.3 405.3 - FSO Idemitsu 13.2 56.7 - FPSO Mero-3 650.8 2,798.4 Tanker shipping business 3,919.2 16,852.6 - Petroleum tankers 1,697.2 7,297.9 - Petroleum tankers under 209.2 899.6 - Petroleum tankers 2,012.8 8,655.2 Heavy Engineering 96.	LNG business 3,487.2 14,995.0 3.36 - Existing LNG carriers 1,832.2 7,878.6 1.77 - FSU Lekas (x 2) 339.7 1,460.7 0.33 - MISC-Mitsubishi JV 103.8 446.5 0.10 - MISC-Avenir JV 24.6 105.8 0.02 - ExxonMobil charter 316.7 1,361.6 0.31 - VLEC tankers 870.2 3,741.8 0.84 - VLEC tankers 237.2 1,019.8 0.23 - FPSO Cendor 166.0 713.9 0.16 - FPS Gumusut 1,610.3 6,924.4 1.55 - FPSO Benchamas 2 31.5 135.5 0.03 - FSO Mekar Bergading 94.3 405.3 0.09 - FSO Idemitsu 13.2 56.7 0.01 - FPSO Mero-3 650.8 2,798.4 0.63 - FPSO Mero-3 650.8 2,798.4 0.63 - Fetroleum tankers 1,697.2 7,297.9 1.63 - Petroleum tankers under 209.2 899.6 0.20 - Construction - Shuttle tankers 2,012.8 8,655.2 1.94 - Heavy Engineering 96.5 415.0 0.09 - Other fixed assets 453.6 1,950.6 0.44 - Net cash/(debt) -2,111.4 -9,079.1 -2.03 - Other net assets/(liabilities) -343.5 -1,477.1 -0.33

Our SOP-based target price remains at RM8.00. The SOP is largely based on the DCF value of MISC's LNG and offshore businesses, but we have incorporated the value of MISC's petroleum tanker business based on the expected liquidation value of its tanker fleet at the end of 2022F.

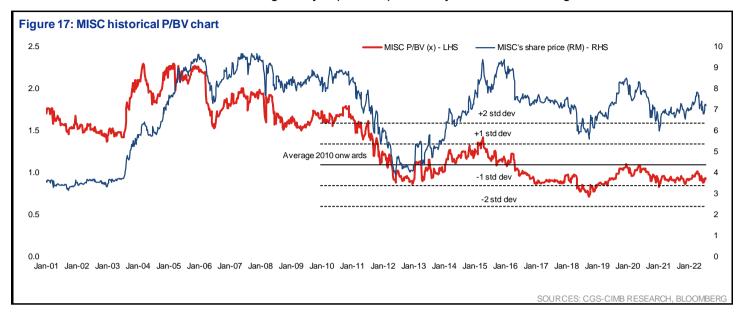
Our assumption for the tanker fleet's liquidation value assumes that the values will be 20% higher than the end-2021 values, but actual secondhand ship values have risen by more than that. According to Clarksons, 5-year old VLCCs (310,000 dwt) are worth US\$84m in early-August 2022, up 20% from December 2021's value of US\$70m. Meanwhile, the value of 5-year old suezmaxes (160,000 dwt) are now US\$59m, vs. US\$47m (+26%), while 5-year old aframaxes (105,000 dwt) are now worth US\$53m, up 29% from December 2021's US\$41m. Secondhand ship values have risen with higher newbuilding prices (the latter being driven by higher steel costs and the lack of available shipbuilding slots), and higher spot freight rates (see Figures 18-21). We retain our 20% annual ship valuation increase for now.

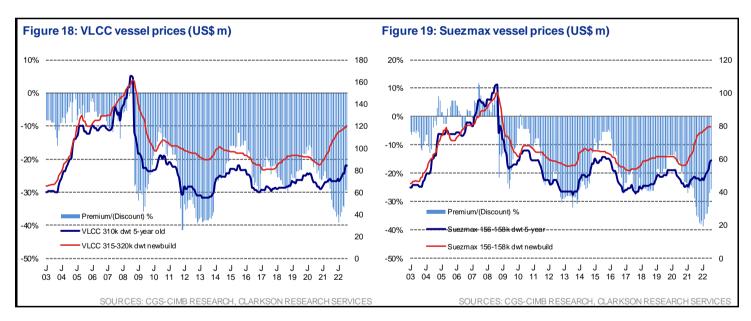
The DCF value of the FPSO Mero-3 project to MISC's SOP was reduced by 25% from RM0.84/share to RM0.63/share in our 27 May 2022 note, as we pencilled-in a higher project capex assumption of US\$2.2bn, up from US\$1.8bn previously, to factor in execution delays and cost overruns. On 29 and 30 June 2022, MISC's President/Group CEO Datuk Yee Yang Chien cautioned investors and analysts about the potential in 2Q22F for a write-back of earlier-recognised FPSO Mero-3 construction profits, due to cost overruns and execution delays (see our 1 July 2022 note). If MISC provides realistic guidance about the FPSO Mero-3 project capex, we may reflect that new guidance into our SOP.

Our target price of RM8.00 is close to MISC's BVPS of RM7.79 as at 31 March 2022, which represents a P/BV of 1.03x and lower than MISC's average P/BV since 2010 of 1.09x.

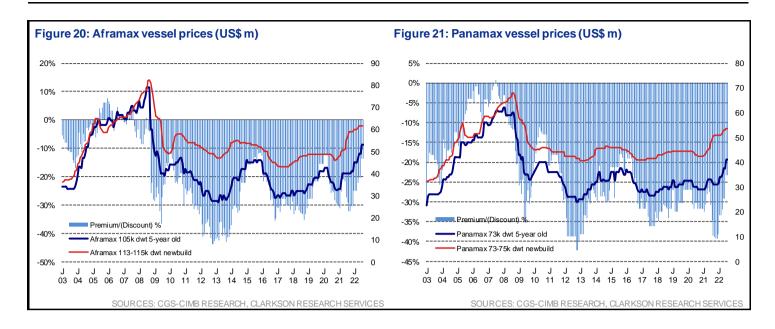


We reiterate our Add recommendation, with a potential re-rating catalyst being the strong recovery in aframax and suezmax tanker rates in 2022F. Downside risks include the potential for additional cost overruns on the FPSO Mero-3 project, and the potential for still-weak VLCC TCE spot and TC rates to negatively impact the profitability of AET's VLCC segment.









Abbreviations

IEA: International Energy Agency

OPEC: Organization of the Petroleum Exporting Countries

OPEC+: OPEC and its key non-OPEC collaborators, principally Russia OECD: The Organisation for Economic Co-operation and Development

AET: MISC's wholly-owned petroleum and chemical tanker shipping subsidiary MMHE: Malaysia Marine and Heavy Engineering Holdings Bhd, MISC's 66%-

owned heavy engineering subsidiary

FPSO: Floating Production Storage and Offload vessels

LNG: Liquefied Natural Gas VLCC: Very Large Crude Carriers

VLEC: Very Large Ethane Carriers

TCE: Time Charter Equivalent rates, expressed in US\$/day

mbpd: million barrels per day





Refinitiv ESG Scores













ESG in a nutshell

MISC may be doubly impacted by the energy transition. In the short term, the International Maritime Organization (IMO) has set in motion the Energy Efficiency Existing Ship Index (EEXI) and the Carbon Intensity Index (CII) regulations to come into effect from 1 January 2023F, which may require MISC to take measures to progressively improve its shipping fleet's energy efficiency. While we believe that MISC's petroleum tanker fleet is likely to outperform its competitors once the EEXI/CII rules come into effect, MISC may be forced to accept discounts on the time charter rates of its ageing fuel-inefficient steam turbine LNG tanker fleet. Potential carbon taxes and a longer-term decline in fossil fuel demand may require MISC to revamp its business model in the transportation of fossil fuels and ownership of floating production assets. With a strong balance sheet and Petronas' target for net zero carbon emissions by 2050F, MISC is well-positioned to tap into these opportunities.

Keep your eye on

The IMO's EEXI and CII regulations will come into effect from 1 January 2023F, with the requirements to be tightened gradually to meet the IMO's goal of a 40% reduction in shipping's carbon intensity by 2030F.

MISC has signed up to own a zero-carbon, ammonia fuelled ship by 2025F, or 2030F at the latest.

Implications

Most of MISC's petroleum tanker vessels will have no problem meeting the challenges of the incoming rules, with lower carbon intensity than global averages. MISC stands to benefit from higher petroleum tanker freight rates if its competitors are forced to reduce sailing speeds. Conversely, steam turbine LNG tankers face greater challenges to meet the future requirements and MISC may have to slow down their sailing speeds materially, which could negatively impact its time charter rates. MISC's future ammonia-fuelled ship could help bolster its ESG credentials, as well as outperform regulatory requirements in the next decade.

ESG highlights

MISC has some of the best ESG disclosures among shipping companies, in our view, with disclosures improving significantly in Annual Report 2019 and Annual Report 2020. Notably, MISC discloses operating carbon intensity data for its petroleum and LNG tanker vessels with significantly more detail than we have seen from its peers.

Implications

We expect MISC to improve its ESG disclosures further in Annual Report 2021, which is likely to be released in April 2022F, with a sharper focus on key environmental and regulatory issues. The transparency of MISC's disclosures should hopefully translate into better investor confidence.

Trends

MISC faces an existential threat from the world's effort to decarbonise, as it is a transporter of fossil fuels like crude oil and LNG and also an owner of floating production assets.

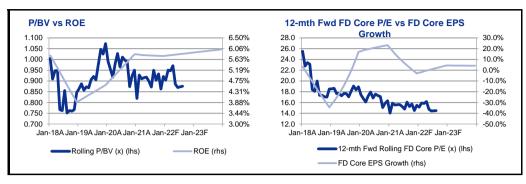
Implications

MISC has time to respond to the existential threat, as global oil demand may continue to grow in the 2020s and plateau in the 2030Fs, before declining in the 2040s. MISC has already ventured into very large ethane carrier (VLEC) and LNG bunker vessel (LBV) segments; we expect these ship types to be resilient amid the energy transition.

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS, REFINITI



BY THE NUMBERS



(US\$m)	Dec-20A	Dec-21A	Dec-22F	Dec-23F	Dec-24F
Total Net Revenues	2,237	2,575	3,117	2,964	2,461
Gross Profit	914	848	1,039	1,056	1,044
Operating EBITDA	914	848	1,039	1,056	1,044
Depreciation And Amortisation	-498	-471	-462	-452	-439
Operating EBIT	417	377	577	605	605
Financial Income/(Expense)	-61	-76	-127	-117	-107
Pretax Income/(Loss) from Assoc.	103	73	45	29	18
Non-Operating Income/(Expense)	28	80	0	0	0
Profit Before Tax (pre-El)	487	454	495	517	516
Exceptional Items	-492	-33	0	0	0
Pre-tax Profit	-5	421	495	517	516
Taxation	-11	-10	-15	-16	-15
Exceptional Income - post-tax					
Profit After Tax	-16	411	481	502	501
Minority Interests	6	24	7	7	7
Preferred Dividends	0	0	0	0	0
FX Gain/(Loss) - post tax					
Other Adjustments - post-tax					
Net Profit	-11	434	488	508	508
Recurring Net Profit	482	467	488	508	508
Fully Diluted Recurring Net Profit	482	467	488	508	508

Cash Flow					
(US\$m)	Dec-20A	Dec-21A	Dec-22F	Dec-23F	Dec-24F
EBITDA	914	848	1,039	1,056	1,044
Cash Flow from Invt. & Assoc.					
Change In Working Capital	371	-235	-310	188	541
(Incr)/Decr in Total Provisions					
Other Non-Cash (Income)/Expense					
Other Operating Cashflow	167	103	342	346	336
Net Interest (Paid)/Received	-108	-2	-127	-117	-107
Tax Paid	-15	-11	-15	-16	-15
Cashflow From Operations	1,330	703	930	1,458	1,799
Capex	-1,152	-1,472	-393	-300	-300
Disposals Of FAs/subsidiaries	118	132	0	0	0
Acq. Of Subsidiaries/investments	0	0	0	0	0
Other Investing Cashflow	70	22	0	0	0
Cash Flow From Investing	-964	-1,317	-393	-300	-300
Debt Raised/(repaid)	128	726	790	233	-283
Proceeds From Issue Of Shares	0	0	0	0	0
Shares Repurchased	0	0	0	0	0
Dividends Paid	-351	-362	-343	-343	-343
Preferred Dividends					
Other Financing Cashflow	-108	-2	-127	-117	-107
Cash Flow From Financing	-331	362	321	-226	-733
Total Cash Generated	36	-252	857	932	766
Free Cashflow To Equity	495	112	1,327	1,391	1,216
Free Cashflow To Firm	474	-612	663	1,274	1,606

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS



BY THE NUMBERS... cont'd

Balance Sheet					
(US\$m)	Dec-20A	Dec-21A	Dec-22F	Dec-23F	Dec-24F
Total Cash And Equivalents	1,705	1,909	2,766	3,698	4,464
Total Debtors	1,303	1,129	1,298	1,251	1,093
Inventories	23	29	35	32	24
Total Other Current Assets	43	16	16	16	16
Total Current Assets	3,074	3,082	4,115	4,996	5,596
Fixed Assets	5,798	6,169	6,430	6,047	5,260
Total Investments	393	594	639	669	687
Intangible Assets	204	255	255	255	255
Total Other Non-Current Assets	3,421	3,706	3,490	3,261	3,032
Total Non-current Assets	9,816	10,724	10,814	10,231	9,233
Short-term Debt	499	1,994	1,280	1,280	1,280
Current Portion of Long-Term Debt					
Total Creditors	852	960	1,155	1,060	788
Other Current Liabilities	29	29	29	29	29
Total Current Liabilities	1,380	2,983	2,464	2,369	2,096
Total Long-term Debt	2,844	2,093	3,597	3,831	3,547
Hybrid Debt - Debt Component					
Total Other Non-Current Liabilities	419	348	348	348	348
Total Non-current Liabilities	3,263	2,441	3,945	4,178	3,895
Total Provisions	0	0	0	0	0
Total Liabilities	4,644	5,423	6,409	6,547	5,992
Shareholders' Equity	8,028	8,199	8,345	8,511	8,676
Minority Interests	218	183	175	169	162
Total Equity	8,246	8,382	8,520	8,679	8,838

Key Ratios					
	Dec-20A	Dec-21A	Dec-22F	Dec-23F	Dec-24F
Revenue Growth	3.4%	15.1%	21.0%	(4.9%)	(17.0%)
Operating EBITDA Growth	(6.2%)	(7.2%)	22.5%	1.7%	(1.2%)
Operating EBITDA Margin	40.9%	32.9%	33.3%	35.6%	42.4%
Net Cash Per Share (US\$)	-0.37	-0.49	-0.47	-0.32	-0.08
BVPS (US\$)	1.80	1.84	1.87	1.91	1.94
Gross Interest Cover	4.76	3.74	3.84	4.06	4.09
Effective Tax Rate	0.00%	2.36%	3.00%	3.00%	3.00%
Net Dividend Payout Ratio	71.2%	74.6%	68.1%	65.4%	65.5%
Accounts Receivables Days	129.3	126.8	104.2	117.1	126.2
Inventory Days	8.74	5.45	5.58	6.36	7.17
Accounts Payables Days	189.2	191.5	185.7	211.9	238.6
ROIC (%)	3.11%	2.85%	4.20%	4.38%	4.65%
ROCE (%)	3.77%	3.34%	4.64%	4.68%	4.71%
Return On Average Assets	4.16%	3.83%	4.11%	4.01%	3.97%

Key Drivers					
	Dec-20A	Dec-21A	Dec-22F	Dec-23F	Dec-24F
LNG vessels (no)	33.0	39.0	39.0	41.0	41.0
Petroleum and chemical vessels (no)	66.0	59.0	63.0	66.0	66.0

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS



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Distribution of stock ratings and investment banking clients for quarter ended on 30 June 2022					
643 companies under coverage for quarter ended on 30 June 2022					
	Rating Distribution (%)	Investment Banking clients (%)			
Add	68.4%	0.8%			
Hold	24.6%	0.0%			
Reduce	7.0%	0.2%			



Spitzer Chart for stock being researched (2 year data)

MISC Bhd (MISC MK)



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.			
	urn 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.			
Country Ratings	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.			