EQUITY RESEARCH - RESULTS FLASH







STAR PETROLEUM REFINING

THAILAND / ENERGY

SPRC TB



TARGET PRICE THB11.70 CLOSE THB7.65 UP/DOWNSIDE +52.9% TP vs CONSENSUS +8.7%

3Q23 results at first glance

3Q23 results in line with estimates

Highlights

- 3Q23 net profit is at THB4.2b (a difference of +THB6.3b q-q and +THB9.3b y-y), in line with our estimate. The improvement was mainly from the spike in GRM due to an increase in mainly middle distillate spreads (i.e. diesel and jet) and a higher stock gain thanks to the higher oil price q-q. This was more than enough to offset the lower utilization rate (80% in 3Q23 vs 89% in 2Q23) or production volume from the scheduled shutdown and maintenance. 3Q23 EBITDA came in at THB6.1b compared to negative EBITDA in 2Q23 and 3Q22.
- Surge in GRM and stock gain. 3Q23 market GRM was at USD8.36/bbl, improving by USD7.02/bbl q-q and USD2.36/bbl y-y. The stock gain in the quarter was at USD7.99/bbl compared to a stock loss of USD2.79/bbl in 2Q23 and a loss of USD13.34/bbl in 3Q22. As a result, the accounting GRM for the quarter was at USD16.35/bbl, turning around from -USD1.45/bbl in 2Q23 and -USD7.34/bbl in 3Q22.
- Expect weaker earnings in 4Q23 but brighter outlook in 2024. We estimate that 4Q23 earnings will be significantly softer q-q from the weak petroleum product Dubai spreads, especially from gasoline (USD-8.0/bbl q-q), coupled with higher crude premiums. QTD Singapore GRM is at USD3.87/bbl, which is down from USD9.51/bbl in 2Q23. Nevertheless, we believe the 2024 earnings outlook will be stronger, aided by the reopening of its single-point mooring system.
- Maintain BUY on SPRC with our TP of 11.70/share.

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	285,264	224,246	315,255	312,961
Net profit	7,674	3,307	4,152	5,065
EPS (THB)	1.77	0.76	0.96	1.17
vs Consensus (%)	-	(19.1)	(18.2)	(12.6)
EBITDA	12,243	7,108	8,337	9,382
Recurring net profit	7,674	3,307	4,152	5,065
Core EPS (THB)	1.77	0.76	0.96	1.17
EPS growth (%)	296.1	(56.9)	25.5	22.0
Core P/E (x)	4.3	10.0	8.0	6.5
Dividend yield (%)	14.5	5.0	6.3	7.6
EV/EBITDA (x)	3.5	6.0	4.7	3.7
Price/book (x)	0.9	0.8	0.8	0.7
Net debt/Equity (%)	24.9	23.2	13.8	3.8
ROE (%)	21.0	8.4	9.9	11.3



Share price performa	ance	1 Month	3 Month	12 Month
Absolute (%)		(7.3)	(13.6)	(37.3)
Relative to country (%)	(5.5)	(7.0)	(27.5)
Mkt cap (USD m)				932
3m avg. daily turnov	er (USD m)			7.2
Free float (%)				39
Major shareholder	Chevron So	outh Asia H	oldings Pte	Ltd (61%)
12m high/low (THB)				12.60/7.20
Issued shares (m)				4,335.90

Sources: Bloomberg consensus; FSSIA estimates



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Star Petroleum Refining SPRC TB Kwanwaree Apichartsataporn

Financial performance highlights

Exhibit 1: 3Q23 results summary

	3Q22	2Q23		3Q23		2023E	% of 2023E
	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(%)
Revenue	76,146	53,883	61,107	13.4	(19.7)	224,246	78
Operating costs	(81,053)	(55,665)	(54,959)	(1.3)	(32.2)	(217,137)	
EBITDA	(4,907)	(1,782)	6,148	>100%	>100%	7,108	92
EBITDA margin (%)	(6.4)	(3.3)	10.1	nm	nm	3.2	
Depn & amort.	(696)	(624)	(668)	7.0	(4.0)	(2,603)	
EBIT	(5,603)	(2,406)	5,480	>100%	>100%	4,506	103
Interest expense	(77)	(106)	(56)	(47.2)	(27.2)	(296)	
Other income	16	15	40	168.9	144.8	0	
Exceptionals	(620)	(134)	(163)	22.0	(73.7)	(300)	
Pretax profit	(6,284)	(2,631)	5,301	(301.5)	(184.4)	4,090	103
Tax	1,257	526	(1,056)	(300.7)	(184.1)	(783)	
Tax rate (%)	20	20	20	nm	nm	19	
Minority interests	0	0	0	nm	nm	0	
Net profit	(5,027)	(2,105)	4,245	>100%	>100%	3,307	102

Sources: SPRC; FSSIA estimates

Exhibit 2: Quarterly key earnings drivers

	3Q22	2Q23	3Q23	q-q	у-у
	(USD/bbl)	(USD/bbl)	(USD/bbl)	(USD/bbl)	(USD/bbl)
Marketing GRM	6.00	1.34	8.36	7.02	2.36
Stock gain/(loss)	(13.34)	(2.79)	7.99	10.78	21.33
Accounting GRM	(7.34)	(1.45)	16.35	17.80	23.69
Crude premium	10.53	2.80	1.76	(1.04)	(8.77)
Gasoline-Dubai	13.07	16.54	18.97	2.43	5.90
Diesel-Dubai	35.22	14.54	26.93	12.39	(8.29)
Utilization rate (%)	87.5	88.9	79.7	(9.24)	(7.84)

Source: SPRC

Financial Statements

Star Petroleum Refining

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	172,484	285,264	224,246	315,255	312,961
Cost of goods sold	(168,407)	(272,833)	(217,546)	(306,956)	(303,640)
Gross profit	4,077	12,432	6,700	8,298	9,321
Other operating income	-	-	-	-	-
Operating costs	(749)	(2,791)	(2,194)	(3,085)	(3,062)
Operating EBITDA	5,972	12,243	7,108	8,337	9,382
Depreciation	(2,644)	(2,603)	(2,603)	(3,123)	(3,123)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	3,328	9,640	4,506	5,214	6,258
Net financing costs	147	60	(596)	(255)	(165)
Associates	-	-	-	-	-
Recurring non-operating income	(371)	(106)	180	185	191
Non-recurring items	2,809	0	0	0	0
Profit before tax	5,913	9,594	4,090	5,144	6,284
Гах	(1,166)	(1,921)	(783)	(992)	(1,220)
Profit after tax	4,746	7,674	3,307	4,152	5,065
Minority interests	0	0	0	0	0
Preferred dividends	0	0	0	0	C
Other items	-	-	-	-	
Reported net profit	4,746	7,674	3,307	4,152	5,065
Non-recurring items & goodwill (net)	(2,809)	0	0	0	0
Recurring net profit	1,937	7,674	3,307	4,152	5,065
Per share (THB)					
Recurring EPS *	0.45	1.77	0.76	0.96	1.17
Reported EPS	1.09	1.77	0.76	0.96	1.17
OPS	0.18	1.11	0.38	0.48	0.58
Diluted shares (used to calculate per share data)	4,336	4,336	4,336	4,336	4,336
Growth					
Revenue (%)	32.5	65.4	(21.4)	40.6	(0.7)
Operating EBITDA (%)	99.9	105.0	(41.9)	17.3	12.5
Operating EBIT (%)	2,038.5	189.7	(53.3)	15.7	20.0
Recurring EPS (%)	(6.3)	296.1	(56.9)	25.5	22.0
Reported EPS (%)	nm	61.7	(56.9)	25.5	22.0
Operating performance					
Gross margin inc. depreciation (%)	2.4	4.4	3.0	2.6	3.0
Gross margin exc. depreciation (%)	3.9	5.3	4.1	3.6	4.0
Operating EBITDA margin (%)	3.5	4.3	3.2	2.6	3.0
Operating EBIT margin (%)	1.9	3.4	2.0	1.7	2.0
Net margin (%)	1.1	2.7	1.5	1.3	1.6
Effective tax rate (%)	19.7	20.0	20.0	20.0	20.0
Dividend payout on recurring profit (%)	39.9	62.7	50.0	50.0	50.0
nterest cover (X)	(20.1)	(158.8)	7.9	21.2	39.1
nventory days	28.1	27.2	36.2	26.4	30.2
Debtor days	23.0	17.6	23.3	16.6	16.7
Creditor days	24.0	18.1	19.5	14.7	17.4
Operating ROIC (%)	(1.9)	(4.5)	(1.9)	(2.2)	(2.6
ROIC (%)	(1.6)	(4.3)	(1.9)	(2.1)	(2.6
ROE (%)	6.4	21.0	8.4	9.9	11.3
ROA (%)	3.7	12.6	5.1	6.3	7.5
Pre exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)	2021	2022	2023E	2024E	2025E
Diesel	74,023	125,384	96,331	97,182	96,102
Gasoline	57,584	81,205	64,260	62,285	62,114
Jet Fuel	2,927	17,192	13,400	13,489	13,324
Light Naphtha	7,270	10,287	8,622	9,586	9,560
Sources: Star Petroleum Refining; FSSIA estimates	1,210	10,201	0,022	3,500	9,500

Sources: Star Petroleum Refining; FSSIA estimates

Financial Statements

Star Petroleum Refining

Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Recurring net profit	1,937	7,674	3,307	4,152	5,065
Depreciation	2,644	2,603	2,603	3,123	3,123
Associates & minorities	-	-	-	-	-
Other non-cash items	- (6 107)	- (0 E74)	1.069	(4.452)	105
Change in working capital	(6,107) (1,536)	(9,574) 703	1,968 7,878	(1,453)	105 8,293
Cash flow from operations Capex - maintenance	(1,526) (2,602)	(2,557)	(2,603)	5,822 (2,603)	(2,603)
Capex - new investment	(104)	(1,438)	(3,809)	(1,232)	(1,082)
Net acquisitions & disposals	0	(1,430)	0,000)	0	(1,002)
Other investments (net)	1,677	(792)	180	368	191
Cash flow from investing	(1,030)	(4,787)	(6,232)	(3,467)	(3,494)
Dividends paid	0	(4,936)	(1,518)	(1,220)	(2,509)
Equity finance	0	0	0	0	(2,000)
Debt finance	(2,183)	1,677	269	(3,000)	(3,000
Other financing cash flows	6,049	4,475	120	2,279	1,973
Cash flow from financing	3,866	1,215	(1,128)	(1,941)	(3,536)
Non-recurring cash flows	-	-	-	-	
Other adjustments	0	0	0	0	C
let other adjustments	0	0	0	0	(
Movement in cash	1,310	(2,869)	519	414	1,263
Free cash flow to firm (FCFF)	(2,343.71)	(3,767.76)	1,942.42	2,609.72	4,964.56
Free cash flow to equity (FCFE)	1,310.00	2,067.27	2,036.10	1,633.72	3,772.56
Per share (THB)					
FCFF per share	(0.54)	(0.87)	0.45	0.60	1.14
FCFE per share	0.30	0.48	0.47	0.38	0.87
Recurring cash flow per share	1.06	2.37	1.36	1.68	1.89
Salance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tangible fixed assets (gross)	77,210	80,007	86,419	87,269	88,269
Less: Accumulated depreciation	(52,992)	(57,271)	(59,874)	(62,477)	(65,079)
angible fixed assets (net)	24,219	22,735	26,545	24,792	23,189
ntangible fixed assets (net)	93	113	113	113	113
Long-term financial assets	-	-	-	-	,
nvest. in associates & subsidiaries	0	0	0	0	0.074
Cash & equivalents	2,945	76	594	1,007	2,271
A/C receivable	13,219	14,328	14,328	14,328	14,328
Inventories Other current assets	16,486 81	23,762 92	18,901 72	24,973 102	24,700 101
Current assets	32,731	38,258	33,895	40,409	41,400
Other assets	1,683	2.182	2.182	2,000	2,000
Total assets	58,726	63,288	62,735	67,314	66,702
Common equity	34,371	38,707	40,497	43,428	45,984
Minorities etc.	0	0	0	0	10,00
Total shareholders' equity	34,371	38,707	40,497	43,428	45,984
Long term debt	3,374	0	7,000	6,000	3,000
Other long-term liabilities	950	677	677	677	677
Long-term liabilities	4,324	677	7,677	6,677	3,677
A/C payable	13,961	12,780	10,166	14,369	14,213
Short term debt	4,680	9,731	3,000	1,000	1,000
Other current liabilities	1,390	1,393	1,095	1,540	1,528
Current liabilities	20,031	23,904	14,261	16,909	16,741
Total liabilities and shareholders' equity	58,726	63,288	62,435	67,014	66,402
Net working capital	14,435	24,009	22,040	23,493	23,388
nvested capital	40,430	49,039	50,880	50,398	48,690
Includes convertibles and preferred stock which is be	ing treated as debt				
Per share (THB)					
Book value per share	7.93	8.93	9.34	10.02	10.61
Tangible book value per share	7.91	8.90	9.31	9.99	10.58
Financial strength					
Net debt/equity (%)	14.9	24.9	23.2	13.8	3.8
Net debt/total assets (%)	8.7	15.3	15.0	8.9	2.6
Current ratio (x)	1.6	1.6	2.4	2.4	2.5
CF interest cover (x)	(8.6)	(57.4)	10.8	12.2	30.4
Valuation	2021	2022	2023E	2024E	2025E
Recurring P/E (x) *	17.1	4.3	10.0	8.0	6.5
Recurring P/E @ target price (x) *	26.2	6.6	15.3	12.2	10.0
Reported P/E (x)	7.0	4.3	10.0	8.0	6.
Dividend yield (%)	2.3	14.5	5.0	6.3	7.0
Price/book (x)	1.0	0.9	0.8	0.8	0.
5. / 11. 1 / 1	1.0	0.9	0.8	0.8	0.1
Price/tangible book (x)					
EV/EBITDA (x) **	6.4	3.5	6.0	4.7	
Price/tangible book (x) EV/EBITDA (x) ** EV/EBITDA @ target price (x) ** EV/invested capital (x)		3.5 4.9 0.9	6.0 8.5 0.8	4.7 6.8 0.8	3.7 5.6 0.7

 $Sources: Star\ Petroleum\ Refining;\ FSSIA\ estimates$

Star Petroleum Refining (SPRC TB)

Exhibit 3: FSSIA ESG score implication

44.50 / 100

Rating	Score	Implication
****	>79-100	Leading its industry peers in managing the most significant ESG risks which not only better cost efficiency but also lead to higher profitability.
****	>59-79	A mixed track record of managing the most significant ESG risks and opportunities relative to industry peers.
***	>39-59	Relevant ESG materiality matrix has been constructively addressed, well-managed and incorporated into day-to-day operations, in which targets and achievements are evaluated annually.
**	>19-39	Relevant ESG materiality matrix has been identified with key management in charge for progress to be followed up on and to provide intensive disclosure. Most targets are conventional and achievable.
*	1-19	The company has adopted the United Nations Sustainable Development Goals (UN SDGs), established sustainability management guidelines and fully complies with regulations or ESG suggested guidance from related organizations such as the SET and SEC.

Sources: FSSIA estimates

Exhibit 4: ESG – peer comparison

	FSSIA			Dome	stic ratings					Glob	al ratings ·			Bloomberg	
	ESG score	DJSI	SET THSI	THSI	CG score	AGM level	Thai CAC	Morningstar ESG risk	ESG Book	MSCI	Moody's	Refinitiv	S&P Global	ESG score	Disclosure score
SET100	69.20	5.34	4.40	4.40	4.76	4.65	3.84	Medium	51.76	BBB	20.87	58.72	63.91	3.72	28.17
Coverage	67.12	5.11	4.15	4.17	4.83	4.71	3.53	Medium	52.04	BB	16.97	56.85	62.09	3.40	31.94
BCP	77.54		Υ	Υ	5.00	5.00	Certified	Medium	56.04	AA		79.53	83.00	6.34	69.77
ESSO	30.81				4.00	5.00		Severe	46.89			45.86	17.00	2.06	34.92
IRPC	86.08	Υ	Y	Y	5.00	5.00	Certified	Medium	59.62	Α		80.95	76.00	6.72	
SPRC	44.50				5.00	5.00	Certified	High	55.86			36.91	28.00	3.77	54.54
TOP	84.35	Υ	Υ	Υ	5.00	5.00	Certified	Medium	52.10	BBB	38.00	75.83	88.00	6.81	

Sources: SETTRADE.com; FSSIA's compilation

Exhibit 5: ESG score by Bloomberg

FY ending Dec 31	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
ESG financial materiality scores - ESG score	_	_	_	4.18	3.77
BESG environmental pillar score	_	_	_	2.70	2.03
BESG social pillar score	_	_	_	5.62	5.27
BESG governance pillar score	_	_	_	5.59	5.76
ESG disclosure score	54.20	53.69	55.75	54.54	54.54
Environmental disclosure score	37.93	37.93	37.93	37.93	37.93
Social disclosure score	40.96	39.42	45.62	41.99	41.99
Governance disclosure score	83.59	83.59	83.59	83.59	83.59
Environmental					
Emissions reduction initiatives	Yes	Yes	Yes	Yes	Yes
Climate change policy	Yes	Yes	Yes	Yes	Yes
Climate change opportunities discussed	No	No	No	No	No
Risks of climate change discussed	No	No	No	No	No
GHG scope 1	1,212	1,129	1,328	1,264	1,316
GHG scope 2 location-based	2	2	4	2	4
GHG Scope 3	_	_	_	_	_
Carbon per unit of production	0.15	0.17	0.19	0.19	0.17
Biodiversity policy	No	No	No	No	No
Energy efficiency policy	Yes	Yes	Yes	Yes	Yes
Total energy consumption	5,525	4,758	5,390	5,221	5,476
Renewable energy use	_	_	_	_	_
Electricity used	7	5	20	6	20
Fuel used - natural gas	239,550	221,438	221,622	219,433	243,955

Sources: Bloomberg; FSSIA's compilation

Exhibit 6: ESG score by Bloomberg (cont.)

FY ending Dec 31	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Fuel used - crude oil/diesel	No	No	No	No	No
Waste reduction policy	Yes	Yes	Yes	Yes	Yes
Hazardous waste	15	18	13	8	8
Total waste	18	18	14	8	8
Waste recycled	16	18	14	8	8
Waste sent to landfills	0.01	0.01	0.01	0.00	0.00
Environmental supply chain management	No	No	No	No	No
Water policy	Yes	Yes	Yes	Yes	Yes
Water consumption	_	_	_	_	_
Social					
Human rights policy	Yes	Yes	Yes	Yes	Yes
Policy against child labor	No	No	No	No	No
Quality assurance and recall policy	Yes	Yes	Yes	Yes	Yes
Consumer data protection policy	No	Yes	Yes	Yes	Yes
Equal opportunity policy	Yes	Yes	Yes	Yes	Yes
Gender pay gap breakout	No	No	No	No	No
Pct women in workforce	23.79	24.25	24.00	23.05	25.00
Pct disabled in workforce	_	_	_	_	_
Business ethics policy	Yes	Yes	Yes	Yes	Ye
Anti-bribery ethics policy	Yes	Yes	Yes	Yes	Ye
Health and safety policy	Yes	Yes	Yes	Yes	Ye
Lost time incident rate - employees	0.00	0.00	0.00	0.00	0.0
Total recordable incident rate - employees	_	_	0.00	_	_
Training policy	Yes	Yes	Yes	Yes	Ye
Fair remuneration policy	No	No	No	No	N
Number of employees – CSR	496.00	503.00	479.00	499.00	548.0
Employee turnover pct	1.97	0.85	1.30	1.80	2.2
Total hours spent by firm - employee training	26,288.00	22,132.00	11,496.00	10,978.00	19,180.0
Social supply chain management	No	No	No	No	No
Governance					
Board size	7	8	8	8	
No. of independent directors (ID)	3	4	4	4	
No. of women on board	1	2	2	1	
No. of non-executive directors on board	6	7	7	7	
Company conducts board evaluations	Yes	Yes	Yes	Yes	Ye
No. of board meetings for the year	5	6	5	6	
Board meeting attendance pct	100	93	100	98	9
Board duration (years)	3	3	3	3	
Director share ownership guidelines	No	No	No	No	N
Age of the youngest director	44	45	41	43	4
Age of the oldest director	72	73	74	75	7
No. of executives / company managers	14	15	14	14	1
No. of female executives	3	4	3	3	
Executive share ownership guidelines	No	No	No	No	N
Size of audit committee	3	4	4	4	
No. of ID on audit committee	3	4	4	4	
Audit committee meetings	4	4	4	4	
Audit meeting attendance %	100	100	100	100	8
Size of compensation committee	4	4	4	4	0
No. of ID on compensation committee	2	2	2	2	
No. of compensation committee meetings	4	3	3	4	
Compensation meeting attendance %	100	100	100	100	7
Size of nomination committee	4	4	4	4	
No. of nomination committee No. of nomination committee meetings	4	3	3	4	
	100	100	100	100	7
Nomination meeting attendance %	100	100	100	100	1
Sustainability governance					

 $Sources: Bloomberg; FSSIA's \ compilation$

Disclaimer for ESG scoring

ESG score	Methodology				Rating					
The Dow Jones Sustainability Indices (<u>DJSI</u>) By S&P Global	process based of from the annual Only the top-ran inclusion.	on the comp S&P Global ked compar	ansparent, rules-based c anies' Total Sustainabilit Corporate Sustainability nies within each industry	y Scores resulting Assessment (CSA). are selected for	Sustainability ESG Score of scoring comp- selected from	Assessment less than 45 any are disqu the Eligible		I. Companie Global ESG Instituents of	s with an S&F Score of the h the DJSI indi	nighest ces are
Sustainability Investment List (THSI) by The Stock Exchange of Thailand (SET)	managing busine Candidates mus conditions: 1) no and 2) free float >15% of paid-up score of below 7 executives' wron	ess with train t pass the positive paint train of >150 shate capital. So 10%; 2) independent	y in Environmental and Sasparency in Governance reemptive criteria, with the ading of the board membareholders, and combined me key disqualifying crite pendent directors and free ted to CG, social & envirand 5) earnings in red for	e, updated annually. wo crucial wers and executives; d holding must be eria include: 1) CG ee float violation; 3) onmental impacts; 4)						f DJSI ainst the arket idity HSI
by Thai Institute of Directors Association (Thai IOD)	annually by the	Γhai IOD, w The results	in sustainable developm ith support from the Stoc are from the perspective	k Exchange of	Good (80-89) and not rated equitable trea	3 for Good for scores be tment of sha (25%); 4) dis	egories: 5 for E (70-79), 2 for F elow 50. Weigh reholders (weig closure & trans	air (60-69), 1 itings include ght 25% com	I for Pass (60 : 1) the rights bined); 3) the	-69), ; 2) and role of
AGM level By Thai Investors Association (TIA) with support from the SEC	treatment are inc transparent and out of five the Co assessment crite the meeting date advance circulation rights can be exerc transparency and v	corporated i sufficiently G compone eria cover A e (45%), and of sufficient i ised. The sec verifiability; an	ich shareholders' rights anto business operations disclosed. All form impor this to be evaluated annu GM procedures before the after the meeting (10% information for voting; and 2) and assesses 1) the ease of d3) openness for Q&A. The tain discussion issues, resolutions.	and information is tant elements of two ally. The ne meeting (45%), at). (The first assesses 1) facilitating how voting attending meetings; 2) third involves the	t					
Thai CAC By Thai Private Sector Collective Action Against Corruption (CAC)	establishment of policies. The Ce (Companies decidi Declaration of Inter Certification, include	key control rtification is ng to become nt to kick off a ling risk asses bloyees, estab	necklist include corruptions, and the monitoring an good for three years. a CAC certified member stand 18-month deadline to submisment, in place of policy and ulishment of whistleblowing cutakeholders.)	d developing of It by submitting a nit the CAC Checklist for It control, training of	passed Check approvals who	dist will move ose member	ewed by a com e for granting c s are twelve hig al achievement	ertification by ghly respecte	the CAC Co	uncil
Morningstar Sustainalytics	The Sustainalytics' ESG risk rating provides an overall company score based on an assessment of how much of a company's exposure to ESG risk is unmanaged. Sources to be reviewed include corporate publications and						ng score is the he higher ESG			ſhe
		ny feedback,	r media, NGO reports/websit ESG controversies, issuer fe vs.		NEGL	Low	Medium	High	Severe	
					0-10	10-20	20-30	30-40	40+	
ESG Book	positioned to out the principle of fi helps explain fut	perform ove nancial mat ure risk-adj eatures with	stainable companies tha er the long term. The me eriality including informa usted performance. Mate higher materiality and re y basis.	thodology considers tion that significantly eriality is applied by	scores using I	materiality-ba	culated as a wased weights. To sindicating bet	he score is	scaled betwee	
<u>MSCI</u>			easure a company's mar laggards according to the							logy to
	AAA 8	3.571-10.000	Leader:	leading its industry in n	nanaging the most	significant ES0	G risks and oppor	tunities		
		7.143-8.570		,	3 3	J				
		5.714-7.142 4.286-5.713	Average:	a mixed or unexception	al track record of r	nanaging the r	nost significant E	SG risks and o	pportunities rela	tive to
		2.857-4.285	Average.	industry peers						
		1.429-2.856								
		0.000-1.428	Laggard:	lagging its industry bas	ed on its high expo	sure and failu	e to manage sigr	nificant ESG ris	ks	
Moody's ESG solutions	Moody's assess believes that a c	es the degre	ee to which companies to egrating ESG factors into shareholders over the m	its business model an						
Refinitiv ESG rating	Designed to transparently and objectively measure a company's relative ESG performance, commitment and effectiveness across 10 main themes, based on publicly available and auditable data. The score ranges from 0 to 100 on relative ESG performance and insufficient degree of transparency in reporting material ESG data publicly. (Score ratings are 0 to 25 = poor; >25 to 50 = satisfactory; >50 to 75 = good; and >75 to 100 = excellent.)									
S&P Global			is a relative score meas the same industry class				ent of ESG risks	s, opportuniti	es, and impa	ots
Bloomberg	ESG Score	;	Bloomberg score evaluat score is based on Bloom of Pillar Scores, where the	berg's view of ESG fina	ancial materiality	. The score	is a weighted o	generalized n	nean (power r	nean)
Bloomberg	of Pillar Scores, where the weights are determined by the pillar priority ranking. Values range from 0 to 10; 10 is the best. ESG Disclosure Score Disclosure of a company's ESG used for Bloomberg ESG score. The score ranges from 0 for none to 100 for disclosure of every data point, measuring the amount of ESG data reported publicly, and not the performance on any data point.									

Source: FSSIA's compilation

GENERAL DISCLAIMER

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Kwanwaree Apichartsataporn FSS International Investment Advisory Securities Co., Ltd

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History of change in investment rating and/or target price



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
18-Jan-2021 03-Aug-2021 11-Oct-2021	BUY BUY BUY	12.00 11.00 13.50	30-Mar-2022 05-Aug-2022 01-Jun-2023	BUY BUY BUY	14.00 14.60 12.50	17-Oct-2023	BUY	11.70

Kwanwaree Apichartsataporn started covering this stock from 01-Jun-2023

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Star Petroleum Refining	SPRC TB	THB 7.65	BUY	Downside risks to our P/BV-based TP are weak demand for refined oil products, a lower crude oil price and GRM, the delay of the SPM reopening, and lawsuit risk related to the oil spill off Rayong in 2022.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited.

All share prices are as at market close on 08-Nov-2023 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as (target price* - current price) / current price.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral. The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

Underweight. The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.