

STAR PETROLEUM REFINING
THAILAND / OIL & GAS

SPRC TB

BUY

กลิ่นเบนซินลดลงเป็นปัจจัยสำคัญใน 2Q22

- SPRC รายงานกำไรปกติ 2Q22 อยู่ที่ 5.5 พัน ลบ. (+158% q-q, +23x y-y) ในขณะที่กำไรสุทธิอยู่ที่ 7.2 พัน ลบ. (+35% q-q, +825% y-y)
- ปัจจัยผลักดันสำคัญอยู่ที่ 1) กำไรสินค้าคงคลังก่อนภาษีที่คาดว่าจะอยู่ที่ 2 พัน ลบ. จากราคาน้ำมันที่สูงขึ้น; และ 2) ผลขาดทุนอัตราแลกเปลี่ยนที่ 0.6 พัน ลบ.
- เราคงแนะนำซื้อที่ราคาเป้าหมาย 14.6 บาท

TARGET PRICE	THB14.60
CLOSE	THB11.30
UP/DOWNSIDE	+29.2%
TP vs CONSENSUS	+4.8%

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	172,484	407,047	361,247	358,637
Net profit	4,746	15,451	6,881	9,538
EPS (THB)	1.09	3.56	1.59	2.20
vs Consensus (%)	-	15.4	9.5	32.9
EBITDA	5,972	22,248	11,678	14,876
Core net profit	1,937	15,451	6,881	9,538
Core EPS (THB)	0.45	3.56	1.59	2.20
EPS growth (%)	(6.3)	697.5	(55.5)	38.6
Core P/E (x)	25.3	3.2	7.1	5.1
Dividend yield (%)	1.6	3.5	3.5	3.5
EV/EBITDA (x)	9.1	1.8	2.9	1.7
Price/book (x)	1.4	1.0	0.9	0.8
Net debt/Equity (%)	14.9	(18.3)	(28.3)	(39.0)
ROE (%)	6.4	37.0	13.3	16.4

กำไรสุทธิ 2Q22 ต่ำกว่าคาดจากการกลิ่นเบนซินที่ลดลง

SPRC รายงานกำไรปกติ 2Q22 อยู่ที่ 5.5 พัน ลบ. (+158% q-q, +23x y-y) ในขณะที่กำไรสุทธิอยู่ที่ 7.2 พัน ลบ. (+35% q-q, +825% y-y) จากกำไรสินค้าคงคลังก่อนภาษีที่คาดว่าจะอยู่ที่ 2 พัน ลบ. หรือ USD4/bbl จากราคาน้ำมันที่สูงขึ้นและผลขาดทุนอัตราแลกเปลี่ยนที่ 0.6 พัน ลบ. กำไรสุทธิที่ 7.2 พัน ลบ. สูงกว่าที่ตลาดคาด 15% แต่ต่ำกว่าที่เราคาด 25% โดยมีเหตุผลสำคัญอยู่ที่ค่าการกลั่นที่ต่ำกว่าคาด โดยกระโดดเพิ่มเป็นเพียง USD18.9/bbl (+124% q-q, +614% y-y) จาก Product margin ที่สูงขึ้น อย่างไรก็ตามตัวเลขดังกล่าวขัดแย้งกับ Crude premium ที่สูงขึ้นและอัตราการใช้กำลังการผลิตที่ต่ำกว่าคาดที่ 89% หรือ 156kbpd

ผลตอบแทนในรูปน้ำมันเชื้อเพลิงอากาศยานอยู่ในระดับสูง ในขณะที่ผลตอบแทนในรูปน้ำมันเบนซินลดลงใน 2Q22

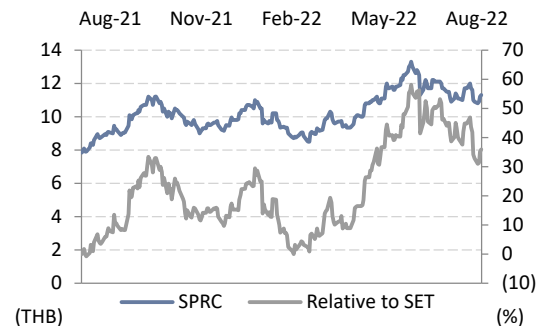
ใน 2Q22 SPRC ยังใช้สัดส่วนน้ำมันดิบให้ได้ประโยชน์สูงสุดอย่างต่อเนื่องโดยใช้สัดส่วนน้ำมันดิบจากตะวันออกกลางที่กว่า 80% บริษัทฯ เพิ่มการผลิตเชื้อเพลิงอากาศยานเป็น 7% จาก 3% ใน 1Q22 โดยแลกกับการกลั่นน้ำมันเบนซินลดลงเหลือ 24% จาก 27% ใน 1Q22 และเพิ่มการผลิตน้ำมันดีเซลเป็น 39% จาก 38% ใน 1Q22 อัตราการใช้กำลังการผลิตเพิ่มขึ้นเป็น 89% จาก 86% ใน 1Q22 และ 77% ใน 2Q21 แต่ยังคงต่ำกว่าประมาณการของเราที่ 92% จากการลดลงของผลตอบแทนการผลิตในรูปน้ำมันเบนซิน ซึ่งเป็นผลิตภัณฑ์ที่มีอัตรากำไรสูงสุดใน 2Q22

คาดกำไรจะลดลง q-q ใน 3Q22 ก่อนติดกลับใน 4Q22

เราคิดว่ากำไรสุทธิของ SPRC จะลดลง q-q ใน 3Q22 ก่อนติดกลับใน 4Q22 จากค่าการกลั่นที่ลดลง q-q ตาม Product margin ที่ลดลง q-q ณ วันที่ 11 ส.ค. 22 อัตรากำไรของน้ำมันดีเซล น้ำมันเชื้อเพลิงอากาศยาน และน้ำมันเบนซินเมื่อเทียบกับน้ำมันดิบดูไปปรับตัวลดลงอย่างรุนแรงจากความต้องการที่ลดลง ซึ่งทำให้ค่าการกลั่นลดลง q-q ถึง USD10-15/bbl เนื่องจากตลาดมีความกังวลเกี่ยวกับความต้องการที่อาจลดลงจากสภาวะเศรษฐกิจถดถอยที่ใกล้เข้ามา โดยเฉพาะอย่างยิ่งในตลาดสหรัฐฯ ตามการขึ้นอัตราดอกเบี้ยของ Fed เพื่อควบคุมสภาวะเงินเฟ้อ

หุ้นโรงกลั่นที่น่าสนใจ

เราคงแนะนำซื้อที่ราคาเป้าหมาย 14.6 บาท (2.4x ของค่า 2022E EV/EBITDA) เราคิดว่าราคาหุ้นของ SPRC น่าจะปรับขึ้นต่อเนื่องจากค่าการกลั่นที่อยู่ในระดับสูงและความต้องการที่ปรับขึ้น ซึ่งจะช่วยเพิ่มอัตราการใช้กำลังการผลิตของโรงกลั่นให้สูงขึ้น 90% ตั้งแต่ 2Q22 เป็นต้นไป SPRC เป็นหนึ่งในโรงกลั่นไทยที่น่าสนใจที่สุดจากโครงสร้างต้นทุนที่อยู่ในระดับต่ำในขณะที่ความต้องการผลิตภัณฑ์น้ำมันกำลังปรับตัวสูงขึ้น นอกจากนี้เรายังคาดว่าด้วยว่า SPRC น่าจะจ่ายเงินปันผล 0.174 บาทในปี 2022 หลังกำไรสะสมพลิกเป็นบวก



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(1.7)	4.6	39.5
Relative to country (%)	(6.3)	2.2	31.8
Mkt cap (USD m)	1,396		
3m avg. daily turnover (USD m)	10.2		
Free float (%)	39		
Major shareholder	Chevron South Asia Holdings Pte Ltd (61%)		
12m high/low (THB)	13.40/7.75		
Issued shares (m)	4,335.90		

Sources: Bloomberg consensus; FSSIA estimates



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Exhibit 1: Summary of 2Q22/6M22 operations

	2Q21	1Q22	2Q22		6M21	6M22	Change	2022E	
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)		(y-y %)
Revenue	41,545	65,404	78,008	19.3	87.8	78,489	143,412	82.7	407,047
Operating costs	(39,787)	(58,410)	(67,762)	16.0	70.3	(73,450)	(126,172)	71.8	(384,798)
EBITDA	1,758	6,994	10,246	46.5	482.9	5,039	17,241	242.1	22,248
<i>EBITDA margin (%)</i>	4.2	11	13.1	<i>nm</i>	<i>nm</i>	6.4	12	<i>nm</i>	5.5
Depn & amort.	(710)	(606)	(626)	3.3	(11.9)	(1,397)	(1,232)	(11.8)	(3,286)
EBIT	1,048	6,388	9,621	50.6	818.2	3,642	16,009	339.5	18,962
Interest expense	(53)	(41)	(58)	42.2	8.7	(106)	(98)	(7.3)	(261)
Interest & invt inc	0	0	0	<i>nm</i>	<i>nm</i>	0	0	<i>nm</i>	0
Other income	13	16	14	(11.2)	6.2	26	30	13.5	253
Associates' contrib	0	0	0	<i>nm</i>	<i>nm</i>	0	0	<i>nm</i>	0
Exceptional	(12)	242	(639)	<i>nm</i>	5,209.6	(60)	(397)	567.0	0
Pretax profit	996	6,605	8,938	35.3	797.5	3,503	15,543	343.7	18,954
Tax	(222)	(1,321)	(1,782)	34.9	701.2	-724	(3,103)	328.7	(3,502)
<i>Tax rate (%)</i>	22	20	20	<i>nm</i>	<i>nm</i>	21	20	<i>nm</i>	18
Minority interests	0	0	0	<i>nm</i>	<i>nm</i>	0	0	<i>nm</i>	0
Net profit	773	5,284	7,156	35.4	825.3	2,779	12,440	347.6	15,451
Non-recurring	545	3,138	1,622	(48.3)	197.5	1,712	4,760	178.0	-
Core net profit	228	2,146	5,534	157.8	2,325.6	1,067	7,680	620.0	15,451
EPS (THB)	0.18	1.22	1.65	35.4	825.3	0.64	2.87	347.6	3.56
Core EPS (THB)	0.05	0.50	1.28	157.8	2,325.6	0.25	1.77	620.0	3.56

Sources: SPRC; FSSIA estimates

Exhibit 2: 2Q22/6M22 key performance

	2Q21	1Q22	2Q22	Change		6M21	6M22	Change
	(USD m)	(USD m)	(USD m)	(q-q %)	(y-y %)	(USD m)	(USD m)	(y-y %)
Gross refining margin – accounting (USD/bbl)	6.64	20.61	22.93	11.3	245.3	8.66	21.80	151.7
Market gross refining margin (USD/bbl)	2.65	8.46	18.92	123.6	614.0	3.09	13.82	347.2
EBITDA (USD m)	56	218	278	27.5	396.4	163	496	204.3
Gain (loss) on foreign exchange and derivatives (loss) (USD m)	0	7	(18)	<i>nm</i>	<i>nm</i>	(2)	(11)	450.0
Inventory gain (loss) (USD/bbl)	4.0	12.2	4.0	(67.0)	0.5	5.6	8.0	43.3
Net profit (USD m)	25	159	206	29.6	724.0	91	365	301.1
Crude intake (k bbl/ day)	135.3	150.2	156.0	3.9	15.3	136.2	153.1	12.4
Production Volumes (k bbl)								
Polymer-grade propylene	408	380	324	(14.7)	(20.6)	851	704	(17.3)
Liquefied petroleum gas	599	628	636	1.3	6.2	1,248	1,263	1.2
Light naphtha	817	904	953	5.4	16.6	1,575	1,857	17.9
Gasoline	3,784	4,119	3,785	(8.1)	0.0	7,697	7,904	2.7
Jet fuel	294	466	1,043	123.8	254.8	605	1,509	149.4
Diesel	5,335	5,816	6,057	4.1	13.5	10,457	11,872	13.5
Fuel oil	526	750	822	9.6	56.3	1,003	1,572	56.7
Asphalt	237	237	188	(20.7)	(20.7)	381	425	11.5
Mix C4	506	520	465	(10.6)	(8.1)	1,076	985	(8.5)
Others	1,022	1,315	1,343	2.1	31.4	2,107	2,658	26.2
Total Revenue	13,528	15,134	15,615	3.2	15.4	27,002	30,749	13.9
Production Volumes *	(%)	(%)	(%)	(ppt)	(ppt)	(%)	(%)	(ppt)
Polymer-grade propylene	3	3	2	(0.4)	(0.9)	3	2	(0.9)
Liquefied petroleum gas	4	4	4	(0.1)	(0.4)	5	4	(0.5)
Light naphtha	6	6	6	0.1	0.1	6	6	0.2
Gasoline	28	27	24	(3.0)	(3.7)	29	26	(2.8)
Jet fuel	2	3	7	3.6	4.5	2	5	2.7
Diesel	39	38	39	0.4	(0.6)	39	39	(0.1)
Fuel oil	4	5	5	0.3	1.4	4	5	1.4
Asphalt	2	2	1	(0.4)	(0.5)	1	1	(0.0)
Mix C4	4	3	3	(0.5)	(0.8)	4	3	(0.8)
Others	8	9	9	(0.1)	1.0	8	9	0.8

*Note that change is in percentage point change

Sources: SPRC; FSSIA estimates

Financial Statements

Star Petroleum Refining

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	130,163	172,484	407,047	361,247	358,637
Cost of goods sold	(126,265)	(165,763)	(383,031)	(348,000)	(342,204)
Gross profit	3,898	6,721	24,016	13,246	16,434
Other operating income	-	-	-	-	-
Operating costs	(911)	(749)	(1,768)	(1,569)	(1,557)
Operating EBITDA	2,988	5,972	22,248	11,678	14,876
Depreciation	(2,832)	(2,644)	(3,286)	(3,286)	(3,286)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	156	3,328	18,962	8,391	11,590
Net financing costs	142	147	(261)	(229)	(196)
Associates	0	0	0	0	0
Recurring non-operating income	215	(371)	253	278	306
Non-recurring items	(8,072)	2,809	0	0	0
Profit before tax	(7,559)	5,913	18,954	8,441	11,700
Tax	1,555	(1,166)	(3,502)	(1,560)	(2,162)
Profit after tax	(6,004)	4,746	15,451	6,881	9,538
Minority interests	0	0	0	0	0
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	(6,004)	4,746	15,451	6,881	9,538
Non-recurring items & goodwill (net)	8,072	(2,809)	0	0	0
Recurring net profit	2,068	1,937	15,451	6,881	9,538
Per share (THB)					
Recurring EPS *	0.48	0.45	3.56	1.59	2.20
Reported EPS	(1.38)	1.09	3.56	1.59	2.20
DPS	0.00	0.18	0.40	0.40	0.40
Diluted shares (used to calculate per share data)	4,336	4,336	4,336	4,336	4,336
Growth					
Revenue (%)	(22.9)	32.5	136.0	(11.3)	(0.7)
Operating EBITDA (%)	nm	99.9	272.5	(47.5)	27.4
Operating EBIT (%)	nm	2,038.5	469.8	(55.7)	38.1
Recurring EPS (%)	nm	(6.3)	697.5	(55.5)	38.6
Reported EPS (%)	nm	nm	225.5	(55.5)	38.6
Operating performance					
Gross margin inc. depreciation (%)	0.8	2.4	5.1	2.8	3.7
Gross margin of key business (%)	(5.4)	4.0	5.1	2.8	3.7
Operating EBITDA margin (%)	2.3	3.5	5.5	3.2	4.1
Operating EBIT margin (%)	0.1	1.9	4.7	2.3	3.2
Net margin (%)	1.6	1.1	3.8	1.9	2.7
Effective tax rate (%)	20.6	19.7	18.5	18.5	18.5
Dividend payout on recurring profit (%)	-	39.9	11.2	25.2	18.2
Interest cover (X)	(2.6)	(20.1)	73.5	37.9	60.7
Inventory days	38.9	28.1	26.3	38.8	37.2
Debtor days	22.0	23.0	11.9	13.4	13.5
Creditor days	30.9	24.0	22.3	32.8	31.5
Operating ROIC (%)	0.4	(1.9)	(9.7)	(4.3)	(6.2)
ROIC (%)	0.8	(1.6)	(9.4)	(4.3)	(6.1)
ROE (%)	7.0	6.4	37.0	13.3	16.4
ROA (%)	3.9	3.7	20.8	7.6	10.0
* Pre exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Diesel	82,239	61,682	211,758	164,911	122,958
Gasoline	34,428	56,279	99,631	96,825	116,431
Jet Fuel	4,950	9,528	4,641	8,578	21,479
Light Naphtha	2,524	4,561	10,798	9,859	9,859

Sources: Star Petroleum Refining; FSSIA estimates

Financial Statements

Star Petroleum Refining

Cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	2,068	1,937	15,451	6,881	9,538
Depreciation	2,832	2,644	3,286	3,286	3,286
Associates & minorities	-	-	-	-	-
Other non-cash items	-	-	-	-	-
Change in working capital	2,661	(6,107)	(1,630)	195	70
Cash flow from operations	7,561	(1,526)	17,108	10,363	12,894
Capex - maintenance	(2,518)	(2,602)	(3,286)	(3,286)	(3,286)
Capex - new investment	(2,216)	(104)	(1,019)	(1,019)	(1,019)
Net acquisitions & disposals	0	0	0	0	0
Other investments (net)	2,146	3,243	0	0	0
Cash flow from investing	(2,588)	537	(4,305)	(4,305)	(4,305)
Dividends paid	(3,362)	(1,566)	(774)	(1,734)	(1,734)
Equity finance	0	0	0	0	0
Debt finance	3,418	(2,183)	(4,554)	0	0
Other financing cash flows	(3,413)	6,049	2,037	2,038	2,037
Cash flow from financing	(3,357)	2,299	(3,290)	303	303
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	1,615	1,310	9,512	6,361	8,892
Free cash flow to firm (FCFF)	5,149.65	(777.58)	13,064.20	6,286.30	8,785.41
Free cash flow to equity (FCFE)	4,977.52	2,876.13	10,286.34	8,095.36	10,626.61

Per share (THB)

FCFF per share	1.19	(0.18)	3.01	1.45	2.03
FCFE per share	1.15	0.66	2.37	1.87	2.45
Recurring cash flow per share	1.13	1.06	4.32	2.34	2.96

Balance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Tangible fixed assets (gross)	69,353	77,210	79,478	81,746	84,014
Less: Accumulated depreciation	(45,197)	(52,992)	(56,278)	(59,564)	(62,851)
Tangible fixed assets (net)	24,156	24,219	23,200	22,181	21,163
Intangible fixed assets (net)	93	93	93	93	93
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	0	0	0	0	0
Cash & equivalents	1,635	2,945	12,457	18,818	27,710
A/C receivable	8,515	13,219	13,219	13,219	13,219
Inventories	9,052	16,486	38,751	35,207	34,621
Other current assets	121	81	191	169	168
Current assets	19,323	32,731	64,618	67,414	75,718
Other assets	2,969	1,683	1,683	1,683	1,683
Total assets	46,541	58,726	89,595	91,371	98,657
Common equity	26,427	34,371	49,048	54,195	61,999
Minorities etc.	0	0	0	0	0
Total shareholders' equity	26,427	34,371	49,048	54,195	61,999
Long term debt	8,857	3,374	0	0	0
Other long-term liabilities	517	950	950	950	950
Long-term liabilities	9,374	4,324	950	950	950
A/C payable	7,821	13,961	32,815	29,814	29,317
Short term debt	1,380	4,680	3,500	3,500	3,500
Other current liabilities	1,539	1,390	3,281	2,912	2,891
Current liabilities	10,740	20,031	39,596	36,226	35,708
Total liabilities and shareholders' equity	46,541	58,726	89,595	91,371	98,657
Net working capital	8,328	14,435	16,065	15,870	15,800
Invested capital	35,546	40,430	41,041	39,827	38,739

* Includes convertibles and preferred stock which is being treated as debt

Per share (THB)

Book value per share	6.09	7.93	11.31	12.50	14.30
Tangible book value per share	6.07	7.91	11.29	12.48	14.28

Financial strength

Net debt/equity (%)	32.6	14.9	(18.3)	(28.3)	(39.0)
Net debt/total assets (%)	18.5	8.7	(10.0)	(16.8)	(24.5)
Current ratio (x)	1.8	1.6	1.6	1.9	2.1
CF interest cover (x)	(49.5)	(19.3)	44.3	40.9	60.4

Valuation	2020	2021	2022E	2023E	2024E
Recurring P/E (x) *	23.7	25.3	3.2	7.1	5.1
Recurring P/E @ target price (x) *	30.6	32.7	4.1	9.2	6.6
Reported P/E (x)	(8.2)	10.3	3.2	7.1	5.1
Dividend yield (%)	-	1.6	3.5	3.5	3.5
Price/book (x)	1.9	1.4	1.0	0.9	0.8
Price/tangible book (x)	1.9	1.4	1.0	0.9	0.8
EV/EBITDA (x) **	19.3	9.1	1.8	2.9	1.7
EV/EBITDA @ target price (x) **	24.1	11.5	2.4	4.1	2.6
EV/invested capital (x)	1.6	1.3	1.0	0.8	0.6

* Pre-exceptional, pre-goodwill and fully diluted ** EBITDA includes associate income and recurring non-operating income

Sources: Star Petroleum Refining; FSSIA estimates

Corporate Governance report of Thai listed companies 2021

EXCELLENT LEVEL – Score range 90-100										
AAV	BCPG	CPALL	GCAP	K	MSC	PLANET	SAMART	SPI	THRE	TVD
ADVANC	BDMS	CPF	GFPT	KBANK	MST	PLAT	SAMTEL	SPRC	THREL	TVI
AF	BEM	CPI	GGC	KCE	MTC	PORT	SAT	SPVI	TIPCO	TVO
AH	BGC	CPN	GLAND	KKP	MVP	PPS	SC	SSSC	TISCO	TWPC
AIRA	BGRIM	CRC	GLOBAL	KSL	NCL	PR9	SCB	SST	TK	U
AKP	BIZ	CSS	GPI	KTB	NEP	PREB	SCC	STA	TKT	UAC
AKR	BKI	DDD	GPSC	KTC	NER	PRG	SCCC	STEC	TMT	UBIS
ALT	BOL	DELTA	GRAMMY	LALIN	NKI	PRM	SCG	STI	TNDT	UV
AMA	BPP	DEMCO	GULF	LANNA	NOBLE	PROUD	SCGP	SUN	TNITY	VGI
AMATA	BRR	DRT	GUNKUL	LH	NSI	DRS	SCM	SUSCO	TOA	VIH
AMATAV	BTS	DTAC	HANA	LHFG	NVD	PSL	SDC	SUTHA	TOP	WACOAL
ANAN	BTW	DUSIT	HARN	LIT	NWR	PTG	SEAFCO	SVI	TPBI	WAVE
AOT	BWG	EA	HMPRO	LPN	NYT	PTT	SEAOIL	SYMC	TQM	WHA
AP	CENTEL	EASTW	ICC	MACO	OISHI	PTTEP	SE-ED	SYNTEC	TRC	WHAUP
ARIP	CFRESH	ECF	ICHI	MAJOR	OR	PTTGC	SELIC	TACC	TRU	WICE
ARROW	CHEWA	ECL	III	MAKRO	ORI	PYLON	SENA	TASCO	TRUE	WINNER
ASP	CHO	EE	ILINK	MALEE	OSP	Q-CON	SHR	TCAP	TSC	ZEN
AUCT	CIMBT	EGCO	ILM	MBK	OTO	QH	SIRI	TEAMG	TSR	
AWC	CK	EPG	INTUCH	MC	PAP	QTC	SIS	TFMAMA	TSTE	
AYUD	CKP	ETC	IP	MCOT	PCSGH	RATCH	SITHAI	TGH	TSTH	
BAFS	CM	FPI	IRPC	METCO	PDG	RS	SMK	THANA	TTA	
BANPU	CNT	FPT	ITEL	MFEC	PDJ	S	SMPC	THANI	TTB	
BAY	COM7	FSMART	IVL	MINT	PG	S & J	SNC	THCOM	TTCL	
BBL	COMAN	GBX	JSP	MONO	PHOL	SAAM	SONIC	THG	TTW	
BCP	COTTO	GC	JWD	MOONG	PLANB	SABINA	SPALI	THIP	TU	
VERY GOOD LEVEL – Score range 80-89										
2S	ASIMAR	CHOW	FLOYD	IT	LOXLEY	OCC	RPC	SKY	TCC	TVT
7UP	ASK	CI	FN	ITD	LRH	OGC	RT	SLP	TCMC	TWP
ABICO	ASN	CIG	FNS	J	LST	PATO	RWI	SMIT	TEAM	UEC
ABM	ATP30	CMC	FORTH	JAS	M	PB	S11	SMT	TFG	UMI
ACE	B	COLOR	FSS	JCK	MATCH	PICO	SA	SNP	TFI	UOBKH
ACG	BA	CPL	FTE	JCKH	MBAX	PIMO	SAK	SO	TIGER	UP
ADB	BAM	CPW	FVC	JMART	MEGA	PJW	SALEE	SORKON	TITLE	UPF
AEONTS	BC	CRD	GEL	JMT	META	PL	SAMCO	SPA	TKN	UPOIC
AGE	BCH	CSC	GENCO	KBS	MFC	PM	SANKO	SPC	TKS	UTP
AHC	BEC	CSP	GJS	KCAR	MGT	PMTA	SAPPE	SPCG	TM	VCOM
AIT	BEYOND	CWT	GYT	KEX	MICRO	PPP	SAWAD	SR	TMC	VL
ALL	BFIT	DCC	HEMP	KGI	MILL	PPPM	SCI	SRICHA	TMD	VPO
ALLA	BJC	DCON	HPT	KIAT	MITSIB	PRIME	SCN	SSC	TMI	VRANDA
ALUCON	BJCHI	DHOUSE	HTC	KISS	MK	PRIN	SCP	SSF	TMILL	WGE
AMANAH	BLA	DOD	HYDRO	KOOL	MODERN	PRINC	SE	STANLY	TNL	WIJK
AMARIN	BR	DOHOME	ICN	KTIS	MTI	PSG	SFLEX	STGT	TNP	WP
APCO	BROOK	DV8	IFS	KUMWEL	NBC	PSTC	SFP	STOWER	TOG	XO
APCS	CBG	EASON	IMH	KUN	NCAP	PT	SFT	STPI	TPA	XPG
APURE	CEN	EFORL	IND	KWC	NCH	QLT	SGF	SUC	TPAC	YUASA
AQUA	CGH	ERW	INET	KWM	NETBAY	RBF	SIAM	SWC	TPCS	
ASAP	CHARAN	ESSO	INSET	L&E	NEX	RCL	SINGER	SYNEX	TPS	
ASEFA	CHAYO	ESTAR	INSURE	LDC	NINE	RICHY	SKE	TAE	TRITN	
ASIA	CHG	ETE	IRC	LEO	NRF	RML	SKN	TAKUNI	TRT	
ASIAN	CHOTI	FE	IRCP	LHK	NTV	ROJNA	SKR	TBSP	TSE	
GOOD LEVEL – Score range 70-79										
A	BGT	CITY	GIFT	JTS	MDX	PK	SGP	SUPER	TQR	YGG
AI	BH	CMAN	GLOCON	JUBILE	MJD	PLE	SICT	SVOA	TTI	ZIGA
AIE	BIG	CMO	GREEN	KASET	MORE	PPM	SIMAT	TC	TYCN	
AJ	BLAND	CMR	GSC	KCM	MUD	PRAKIT	SISB	TCCC	UKEM	
ALPHAX	BM	CPT	GTB	KK	NC	PRAPAT	SK	THMUI	UMS	
AMC	BROCK	CRANE	HTECH	KKC	NDR	PRECHA	SMART	TNH	UNIQ	
APP	BSBM	CSR	HUMAN	KWI	NFC	PTL	SOLAR	TNR	UPA	
AQ	BSM	D	IHL	KYE	NNCL	RJH	SPACK	TOPP	UREKA	
ARIN	BTNC	EKH	IIG	LEE	NOVA	RP	SPG	TPCH	VIBHA	
AS	BYD	EMC	INGRS	LPH	NPK	RPH	SQ	TPIPL	W	
AU	CAZ	EP	INOX	MATI	NUSA	RSP	SSP	TIPIP	WIN	
B52	CCP	F&D	JAK	M-CHAI	PAF	SABUY	STARK	TPLAS	WORK	
BEAUTY	CGD	FMT	JR	MCS	PF	SF	STC	TPOLY	WPH	

Disclaimer:

The disclosure of the survey results of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey results may be changed after that date. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such survey results.

* CGR scoring should be considered with news regarding wrong doing of the company or director or executive of the company such unfair practice on securities trading, fraud, and corruption SEC imposed a civil sanction against insider trading of director and executive

Sources: Thai Institute of Directors Association (IOD); FSSIA's compilation; data as of 26 October 2021

Anti-corruption Progress Indicator

CERTIFIED										
2S	BCH	CPALL	GC	K	MFC	PE	QLT	SNP	THCOM	TU
7UP	BCP	CPF	GCAP	KASET	MFEC	PG	QTC	SORKON	THIP	TVD
ADVANC	BCPG	CPI	GEL	KBANK	MILL	PHOL	RATCH	SPACK	THRE	TVI
AF	BE8	CPN	GFPT	KBS	MINT	PK	RML	SPALI	THREL	TVO
AI	BEYOND	CSC	GGC	KCAR	MONO	PL	RWI	SPC	TIDLOR	TWPC
AIE	BGC	DCC	GJS	KCE	MOONG	PLANB	S & J	SPI	TIPCO	U
AIRA	BGRIM	DELTA	GPI	KGI	MSC	PLANET	SAAM	SPRC	TISCO	UBE
AKP	BJCHI	DEMCO	GPSC	KKP	MST	PLAT	SABINA	SRICHA	TKS	UBIS
ALPHAX	BKI	DIMET	GSTEEL	KSL	MTC	PM	SAPPE	SSF	TKT	UEC
AMA	BLA	DRT	GUNKUL	KTB	MTI	PPP	SAT	SSP	TMD	UKEM
AMANAHA	BPP	DTAC	HANA	KTC	NBC	PPPM	SC	SSSC	TMILL	UOBKH
AMATA	BROOK	DUSIT	HARN	KWC	NEP	PPS	SCB	SST	TMT	UPF
AMATAV	BRR	EA	HEMP	KWI	NINE	PR9	SCC	STA	TNITY	UV
AP	BSBM	EASTW	HENG	L&E	NKI	PREB	SCCC	STOWER	TNL	VGI
APCS	BTS	ECL	HMPRO	LANNA	NMG	PRG	SCG	SUSCO	TNP	VIH
AQUA	BWG	EGCO	HTC	LH	NNCL	PRINC	SCN	SVI	TNR	WACOAL
ARROW	CEN	EP	ICC	LHFG	NOBLE	PRM	SEAOIL	SYMC	TOG	WHA
AS	CENTEL	EPG	ICHI	LHK	NOK	PROS	SE-ED	SYNTEC	TOP	WHAUP
ASIAN	CFRESH	ERW	IFEC	LPN	NSI	PSH	SELIC	TAE	TOPP	WICE
ASK	CGH	ESTAR	IFS	LRH	NWR	PSL	SENA	TAKUNI	TPA	WIJK
ASP	CHEWA	ETE	ILINK	M	OCC	PSTC	SGP	TASCO	TPP	XO
AWC	CHOTI	FE	INET	MAKRO	OGC	PT	SINGER	TBSP	TRU	ZEN
AYUD	CHOW	FNS	INSURE	MALEE	ORI	PTG	SIRI	TCAP	TRUE	
B	CIG	FPI	INTUCH	MATCH	PAP	PTT	SITHAI	TCMC	TSC	
BAFS	CIMBT	FPT	IRC	MBAX	PATO	PTTEP	SKR	TFG	TSTE	
BAM	CM	FSMART	IRPC	MBK	PB	PTTGC	SMIT	TFI	TSTH	
BANPU	CMC	FSS	ITEL	MC	PCSGH	PYLON	SMK	TFMAMA	TTA	
BAY	COM7	FTE	IVL	MCOT	PDG	Q-CON	SMPC	TGH	TTB	
BBL	COTTO	GBX	JKN	META	PDJ	QH	SNC	THANI	TTCL	
DECLARED										
AJ	CHG	DDD	ETC	JR	MAJOR	NUSA	RS	SSS	TQM	YUASA
ALT	CPL	DHOUSE	FLOYD	JTS	NCAP	NYT	SAK	STECH	TSI	ZIGA
APCO	CPR	DOHOME	GULF	KEX	NCL	OR	SCGP	STGT	VARO	
B52	CPW	ECF	III	KUMWEL	NOVA	PIMO	SCM	TKN	VCOM	
BEC	CRC	EKH	INOX	LDC	NRF	PLE	SIS	TMI	VIBHA	

Level	
Certified	This level indicates practical participation with thoroughly examination in relation to the recommended procedures from the audit committee or the SEC's certified auditor, being a certified member of Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) or already passed examination to ensure independence from external parties.
Declared	This level indicates determination to participate in the Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC)

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Note: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of 26 October 2021) are categorised into: 1) companies that have declared their intention to join CAC, and; 2) companies certified by CAC.

Sources: The Securities and Exchange Commission, Thailand; * FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Suwat Sinsadok, CFA, FRM, ERP FSS International Investment Advisory Securities Co., Ltd

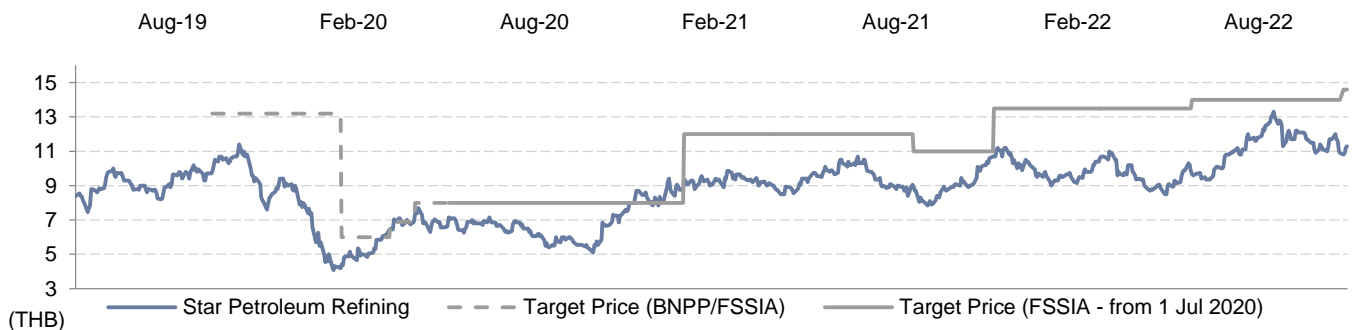
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed herein.

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History of change in investment rating and/or target price

Star Petroleum Refining (SPRC TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
11-Dec-2019	BUY	13.20	02-Jun-2020	BUY	8.00	11-Oct-2021	BUY	13.50
31-Mar-2020	BUY	6.00	18-Jan-2021	BUY	12.00	30-Mar-2022	BUY	14.00
12-May-2020	BUY	6.90	03-Aug-2021	BUY	11.00	05-Aug-2022	BUY	14.60

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 18-Jun-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Star Petroleum Refining	SPRC TB	THB 11.30	BUY	TP is based on EV/EBITDA. Downside risks are a sharp rise in oil price and weak demand for refined oil products.

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

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All share prices are as at market close on 11-Aug-2022 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as $(\text{target price}^* - \text{current price}) / \text{current price}$.

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.