



Global Hedge Position

28/06/2019

KERIUS Finance SAS

Conseiller en Investissements Financiers

Membre de l'ANACOFI CIF- Association agréée par l'AMF - ORIAS N° 13000716

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Bitumen Hedging Summary

BITUMEN	Hedge Reference	Hedged (MT)	Exposure (MT)	Evolution in %	Hedge Rate	Budget rate 2019	Costs As of May 2019	Average costs of 2019	Last year cost (May 2018)	Performance (Total amount) in LC	Performance of May 2019 compared to Budget (%)	Cost performance compared to Average 2019 (%)	Cost performance compared to Last year (%)
USA	2019 2020		1 947 2 386	22,5%		488	507	538	463		-3,9%	5,8%	-9,5%
Poland	2019 2020	13 670 4 500	13 664 14 541	6,4%	1 353 * 1 392 *	1 537 -	1 759 -	1 486 -	1 476 -	2 519 536 -	-14,4% -	-18,4% -	-19,2% -
Turkey	2019 2020	24 311 27 994	24 312 27 994	15,1%	1 802	2 971	2 624	2 173	1 869	28 417 978	11,7%	-20,8%	-40,4%
Spain	2019 2020	7 150 3 250	7 598 7 365	-3,1%	283 277	350 -	380 -	338 -	330 -	482 625 -	-8,6% -	-12,4% -	-15,2% -
Brasil	2019 2020		5 032 5 753	14,3%		2 564	2 974	3 037			-16,0%	2,1%	-
Malaysia	2019 2020	4 000	8 941 9 689	8,4%	1 599	1 854	2 045	1 826	1 718	1 018 968	-10,3%	-12,0%	-19,0%

Details	Hedge Reference	Hedged (MT)	Currency	Strike
Poland	2019 2019 2020	6 050 7 620 4 500	PLN EUR PLN	1240 265,5 1216,75
Turkey	2019	24 311	EUR	274,5
Malaysia	2019	4 000	EUR	340

* includes 175 PLN/MT of transport fee

Bitumen Hedging Summary

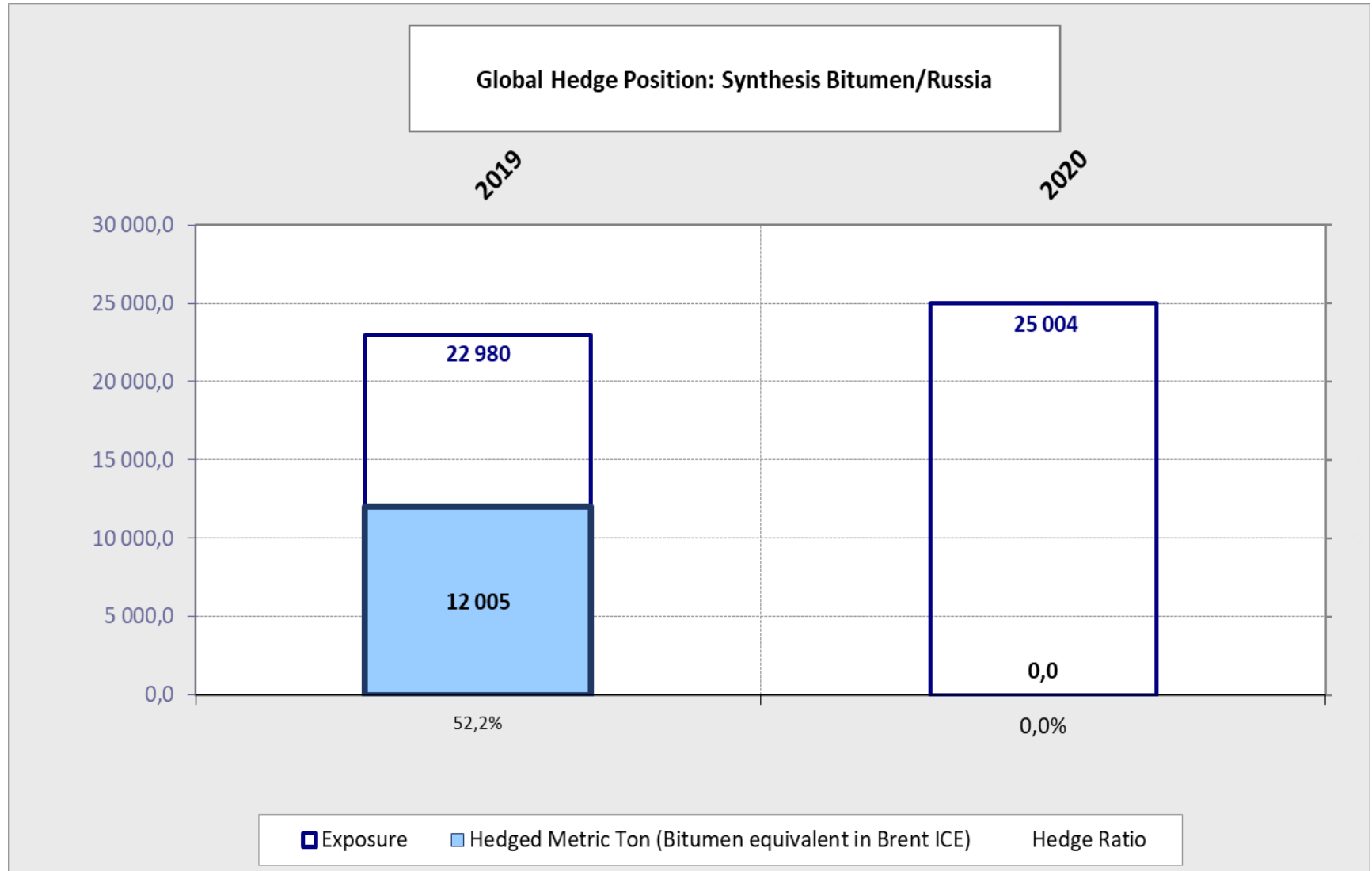
BITUMEN					Hedge Rate (in LC)	Budget Rate (in LC)	Costs as of May 2019	Average costs of 2019	Last year cost (May 2018)	Performance compared to Budget (%)	Cost performance compared to average 2019 (%)	Cost performance compared to last year
	Hedged (MT)	Exposure (MT)	Evolution in %	Hedge Ratio								
Russia	12 005	22 980 25 004	8,8%	52% 0%		15 800	13 167	12 657	10 835	16,7%	-4,0%	-21,5%

Details	Brent barrels	Currency	Strike	Equivalent in MT
Russia	88 000	USD	59,08	12 005

Bitumen Hedging Summary

Bitumen	Trade Date	Underlying	Initial date	Expiry Date	Position	Product	Type	Quantity 2019	Quantity YTD June	Unit trading	Traded Swap price €	Actual 2019 € YTD June	Budget Price in €	Savings YTD k€	Comment	Saving Swap vs Budget YTD June	Saving Swap vs Budget FY 2019
Turkey	18-Dec-18	FUEL OIL 3.5% FOB ROT	01-Jan-19	31-Dec-19	BUY	SWAP	€ Fixed	24 311	10 414	Metric Ton	274,5	318,3	396,1	702	couverture Bitume Turquie	1 267	2 957
Spain	30-Nov-18	FUEL OIL 3.5% CIF MED	01-Jan-19	30-Nov-19	BUY	SWAP	€ Fixed	7 150	3 900	Metric Ton	282,5	311,5	350,0	200	couverture Bitume Espagne	263	483
Poland	03-Dec-18	FUEL OIL 3.5% FOB NWE	01-Jan-19	30-Nov-19	BUY	SWAP	PLN Fixed	6 050	3 300	Metric Ton	303,3	302,4	355,5	102	couverture Bitume Pologne	172	315
Poland	18-Dec-18	FUEL OIL 3.5% FOB NWE	01-Jan-19	31-Dec-19	BUY	SWAP	€ Fixed	7 620	3 810	Metric Ton	265,5	302,4	355,5	206	couverture Bitume Pologne	343	685
Malaysia	18-Dec-18	FUEL OIL - 380 SINGAPORE	01-Jan-19	31-Dec-19	BUY	SWAP	€ Fixed	4 000	1 600	Metric Ton	340,0	332,8	391,7	34	couverture Bitume Pologne	83	207
TOTAL								49 131	23 024	Average	293,2	313,5	369,8	1 244		2 085	4 647

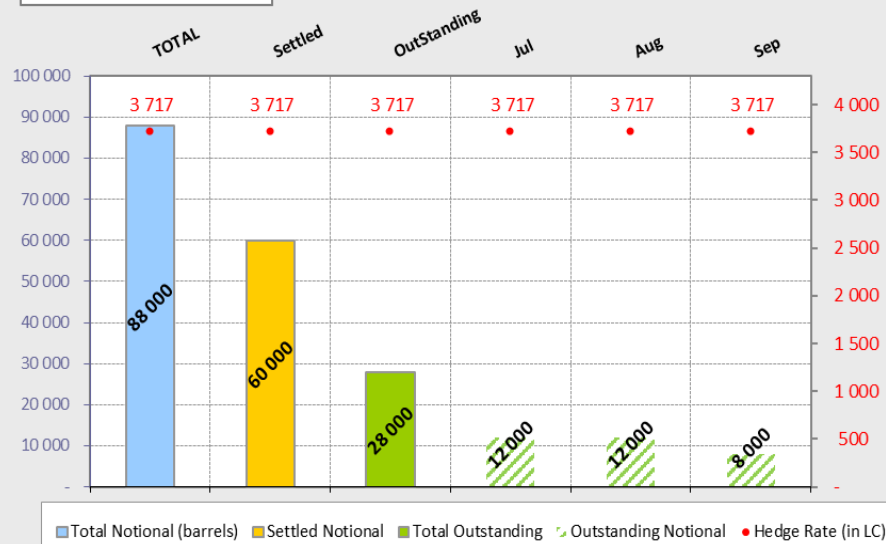
Bitumen/RUB - Synthesis



Russian subsidiary - 2019

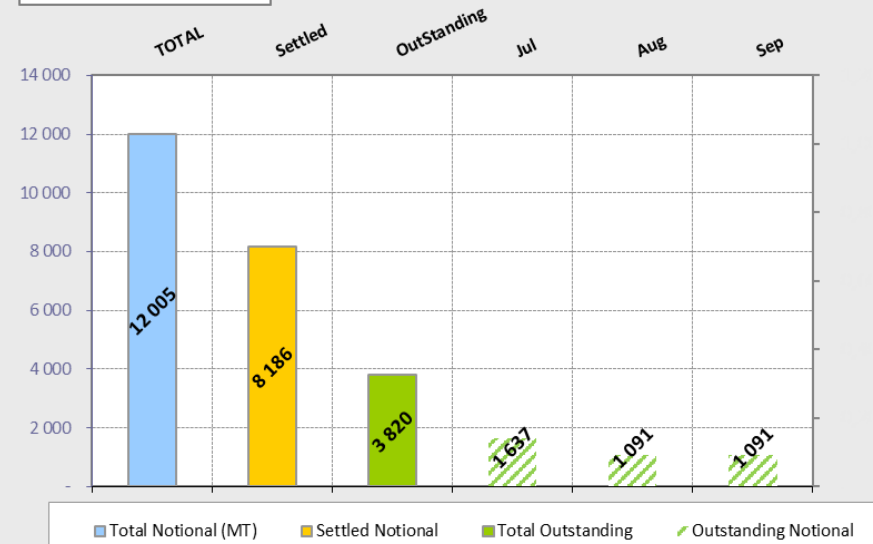
Brent barrels
Russian subsidiary

2019



Bitumen
Russian subsidiary

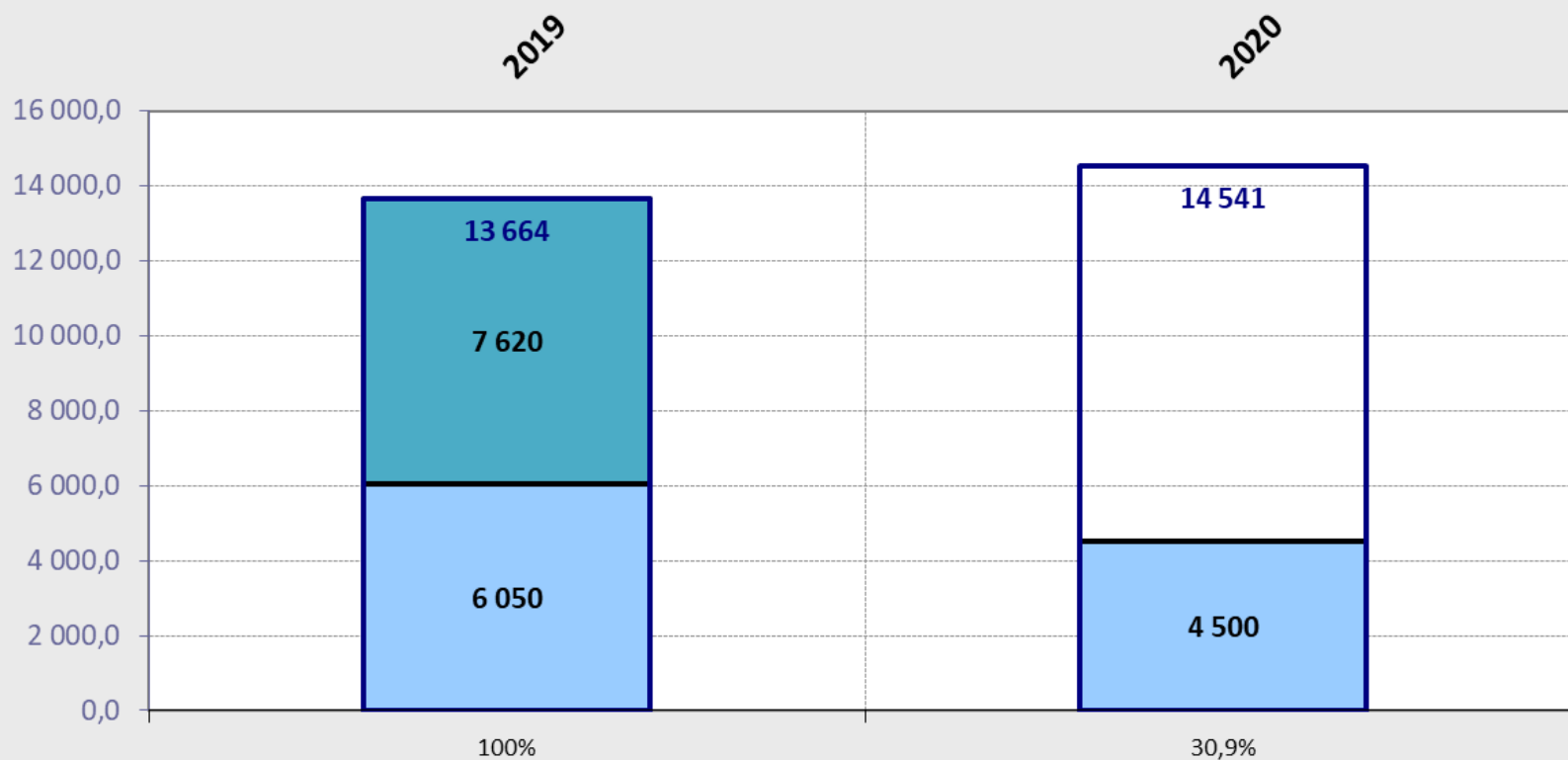
2019



3717 RUB = 59,08USD (Average Hedge Rate) * 62,918 (USDRUB Fixing Bloomberg end of Month)

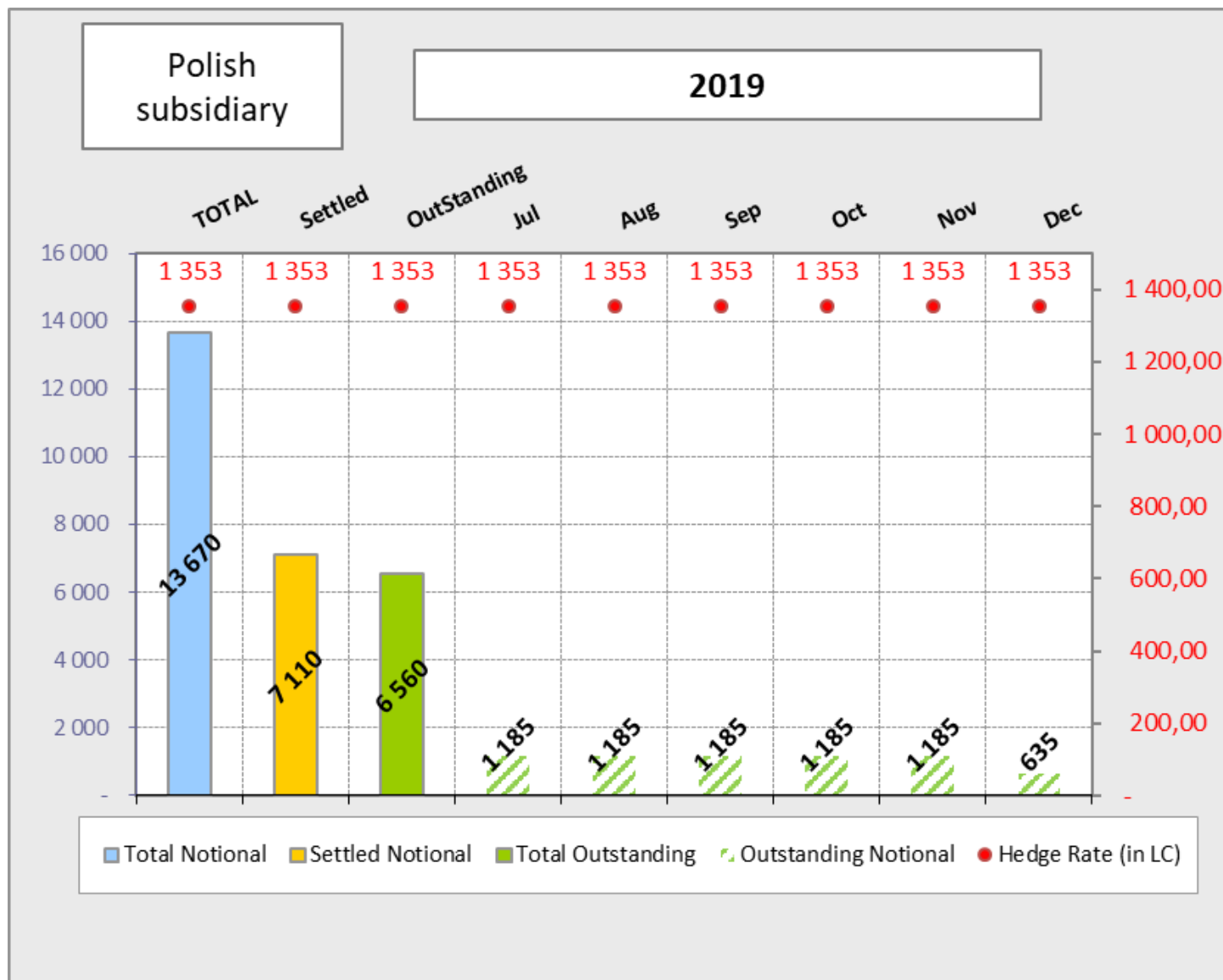
Polish subsidiary - Synthesis

Global Hedge Position: Synthesis Bitumen/Poland

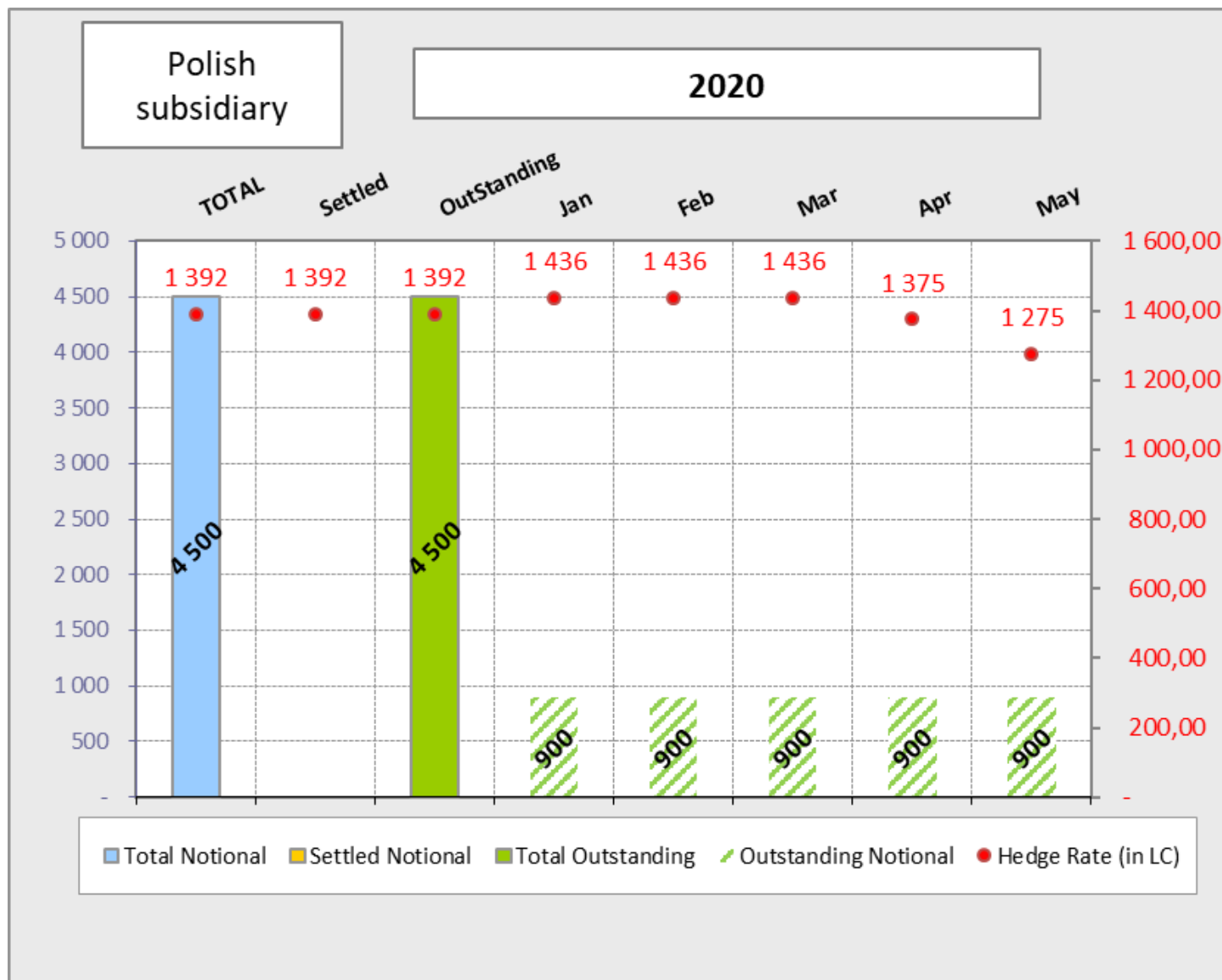


■ Hedged Metric Ton (EUR)
 ■ Hedged Metric Ton (PLN)
 ■ Exposure
 Hedge Ratio

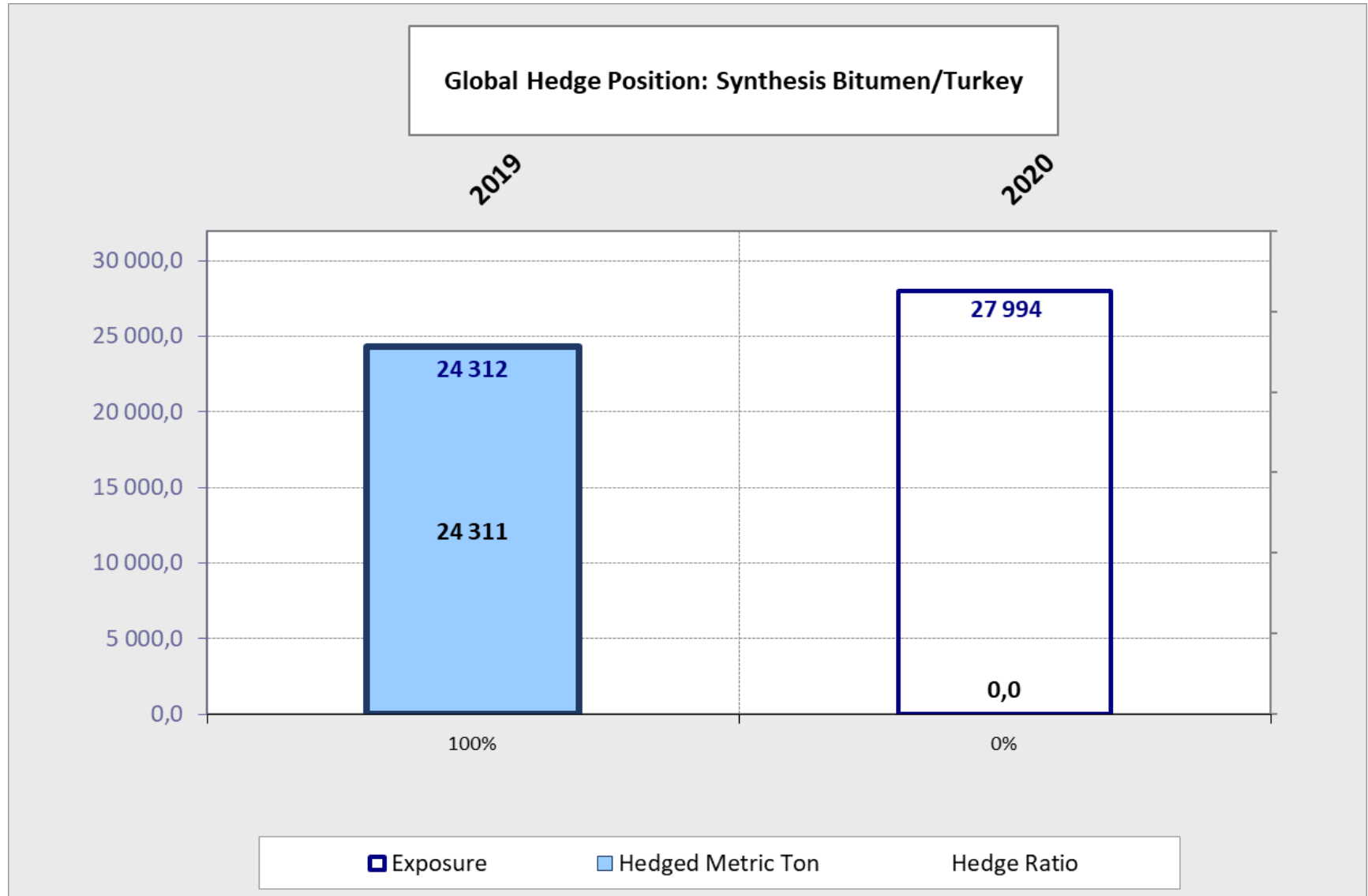
Polish subsidiary - 2019



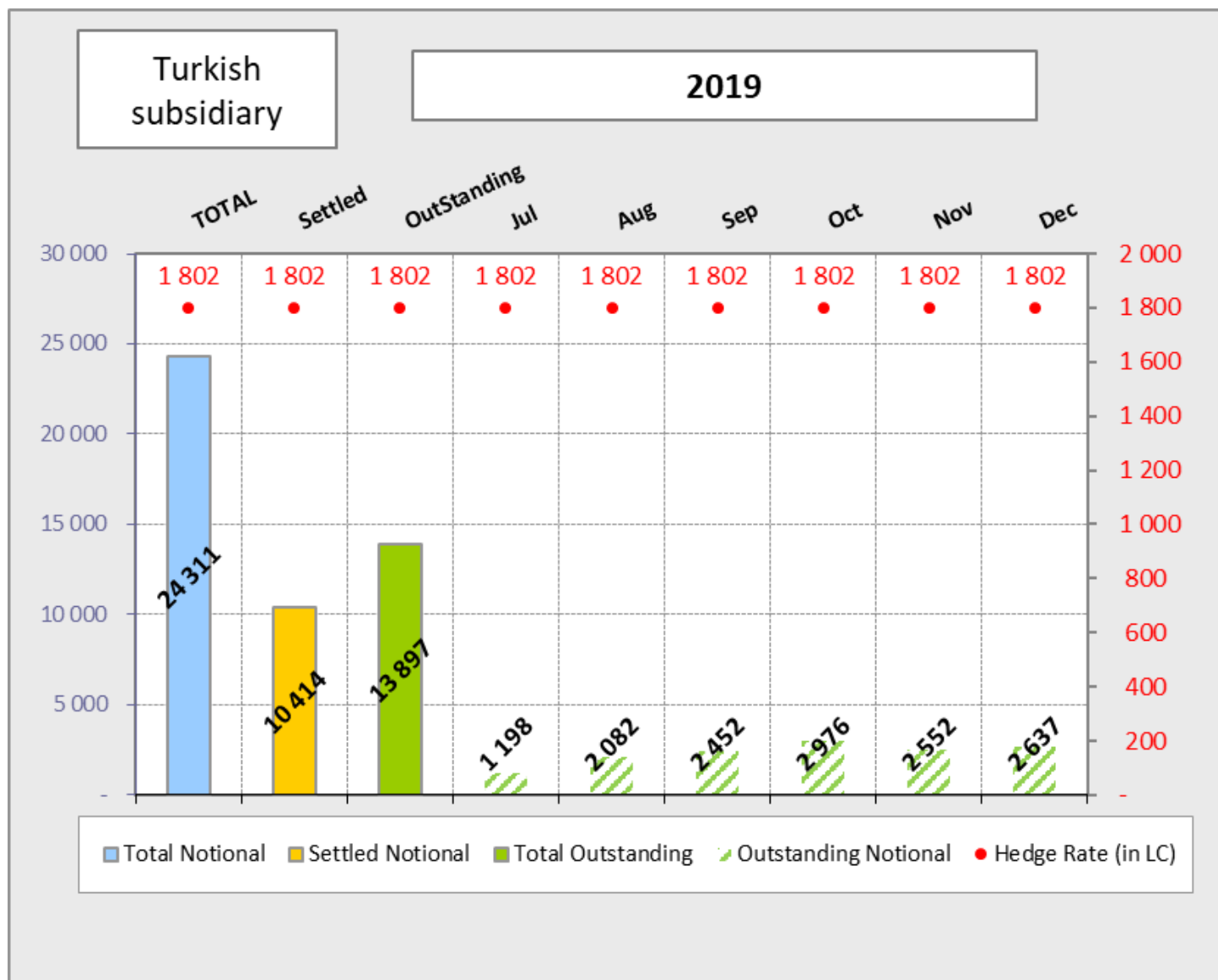
Polish subsidiary - 2020



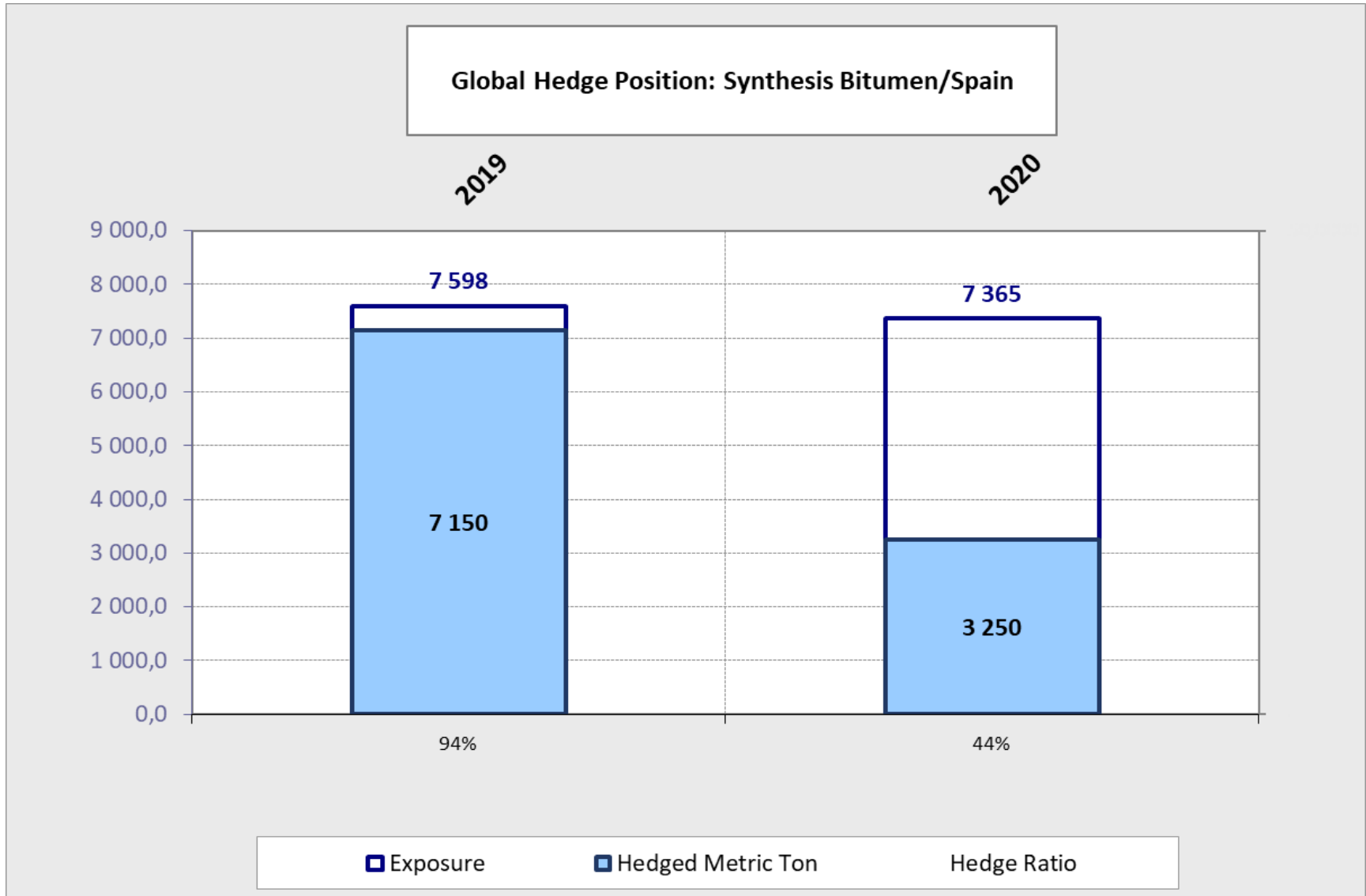
Turkish subsidiary - Synthesis



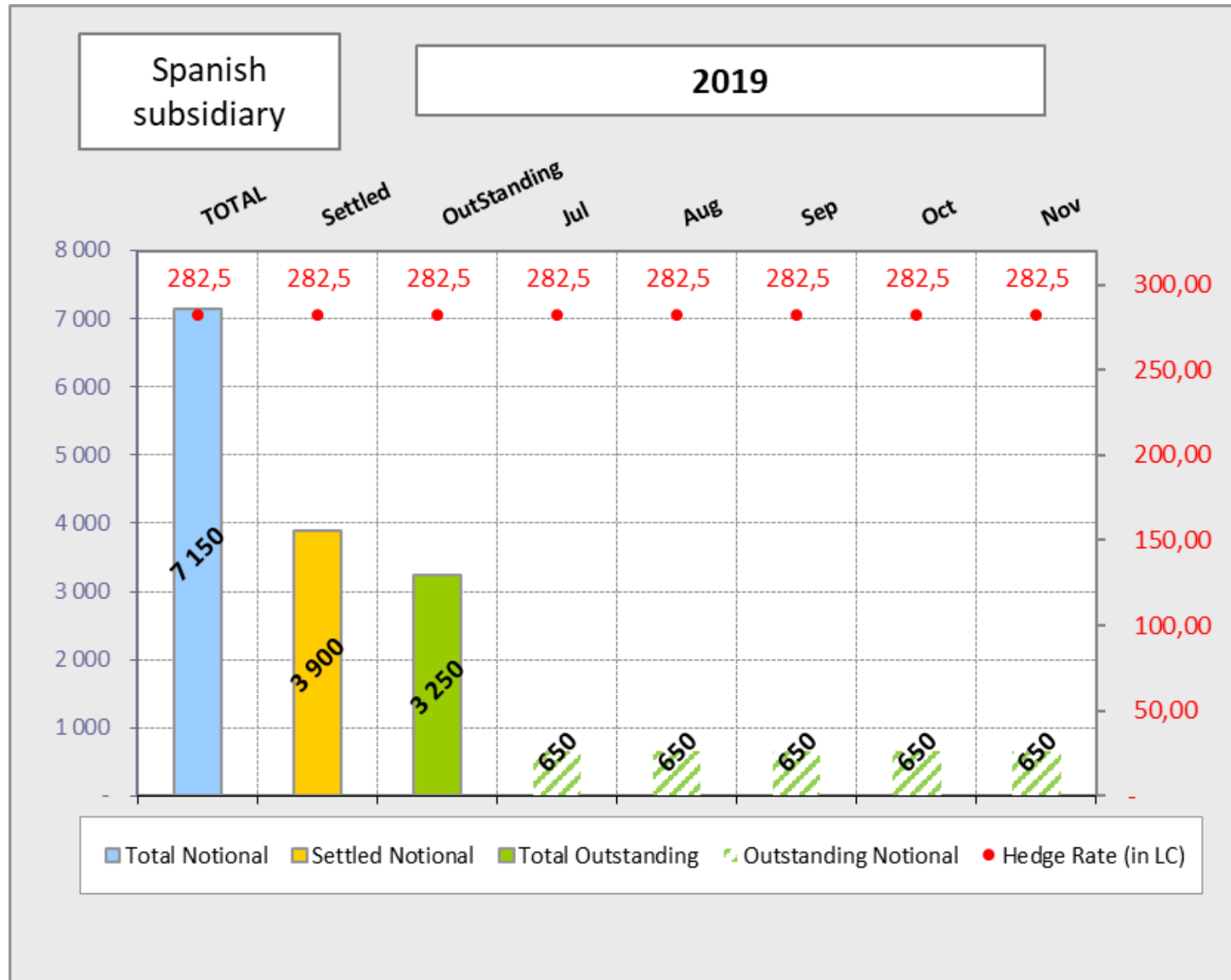
Turkish subsidiary - 2019



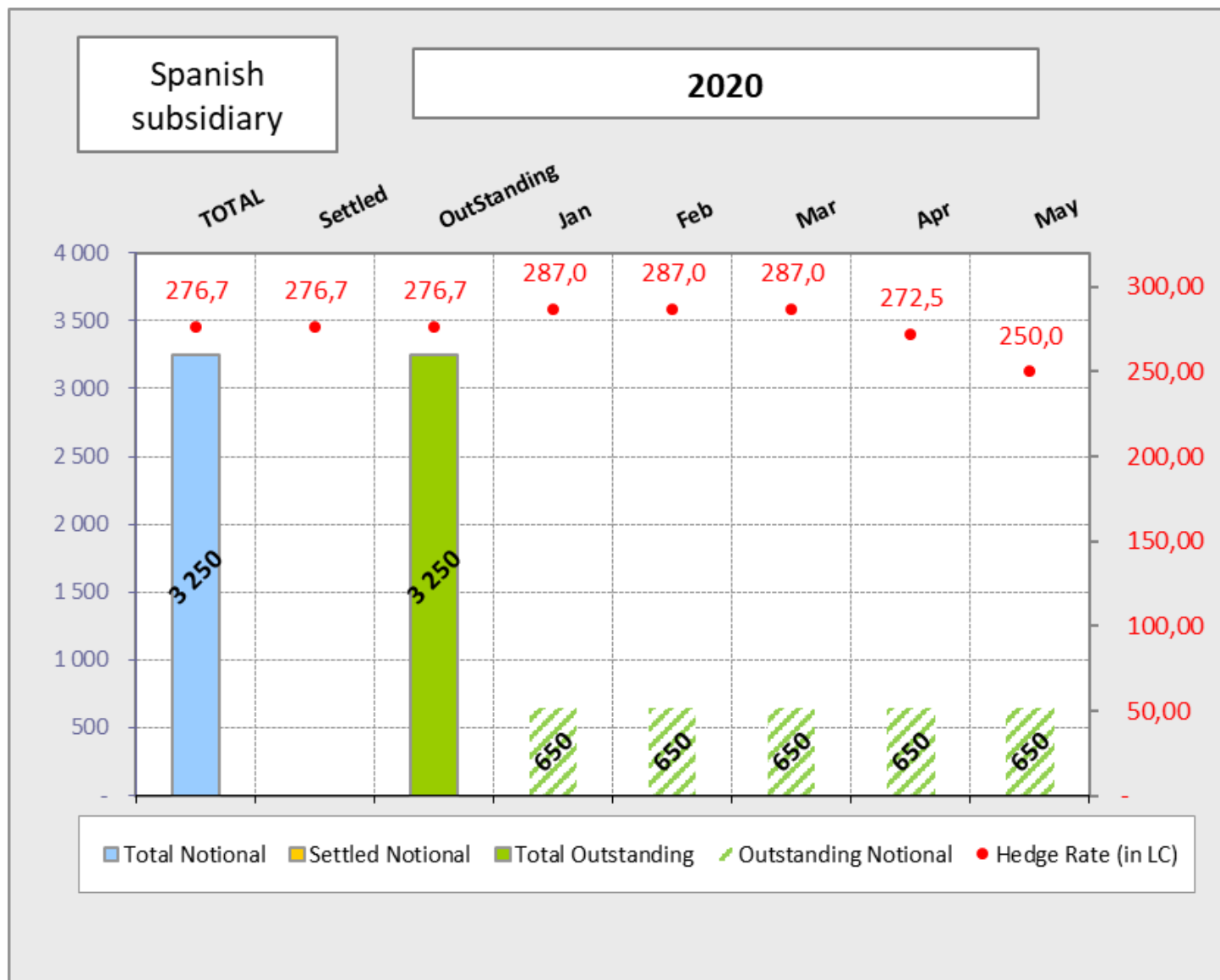
Spanish subsidiary - Synthesis



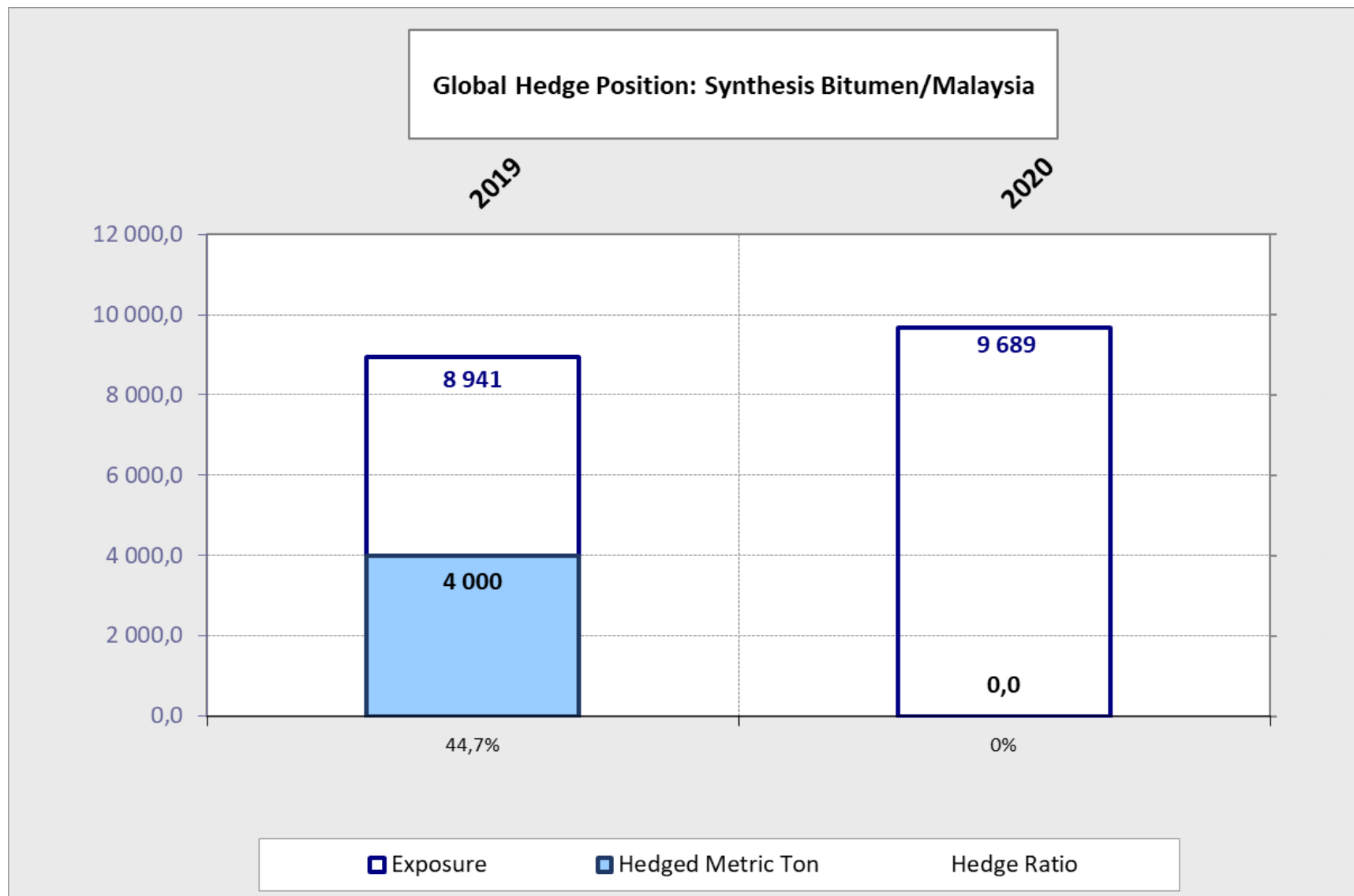
Spanish subsidiary - 2019



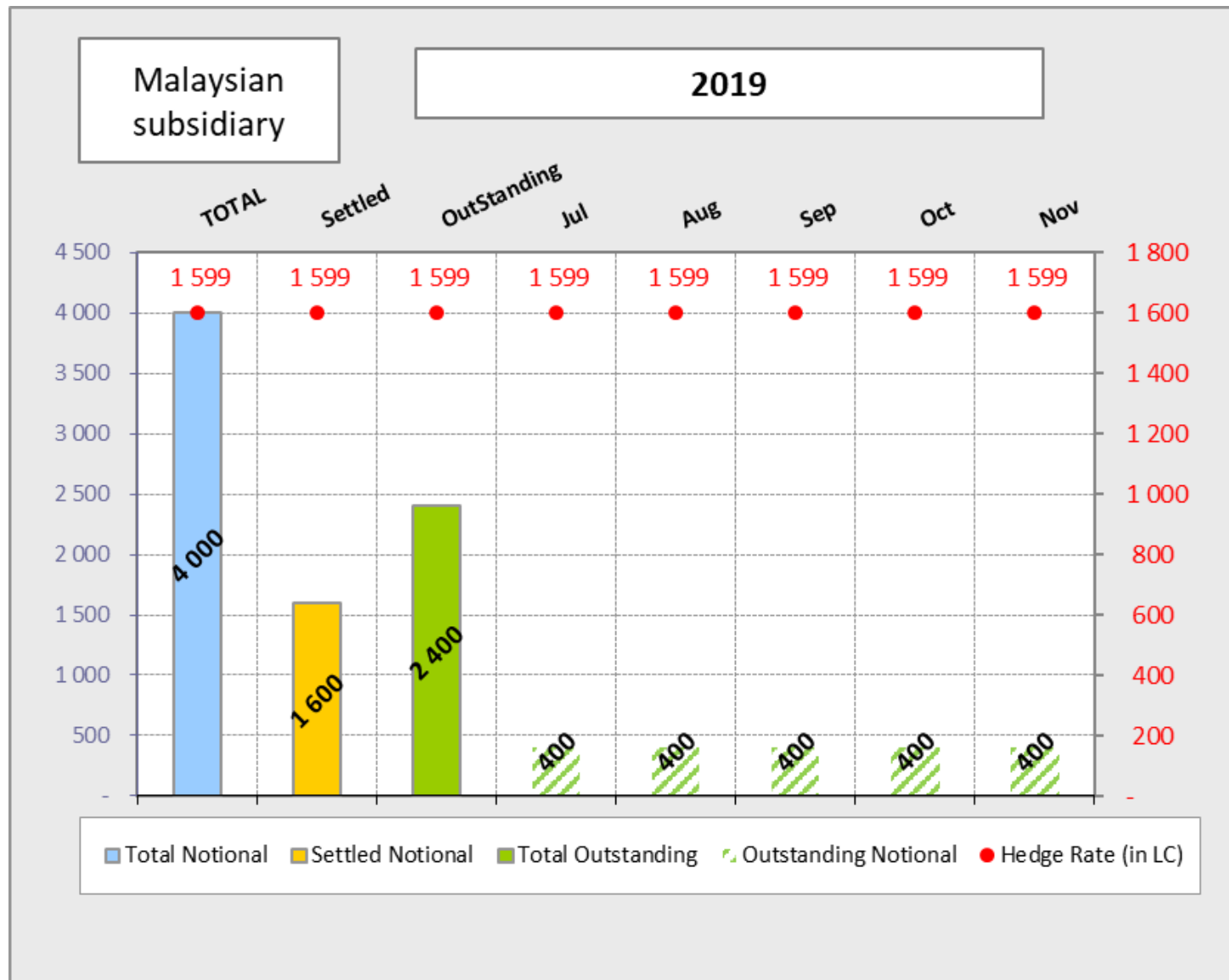
Spanish subsidiary - 2020



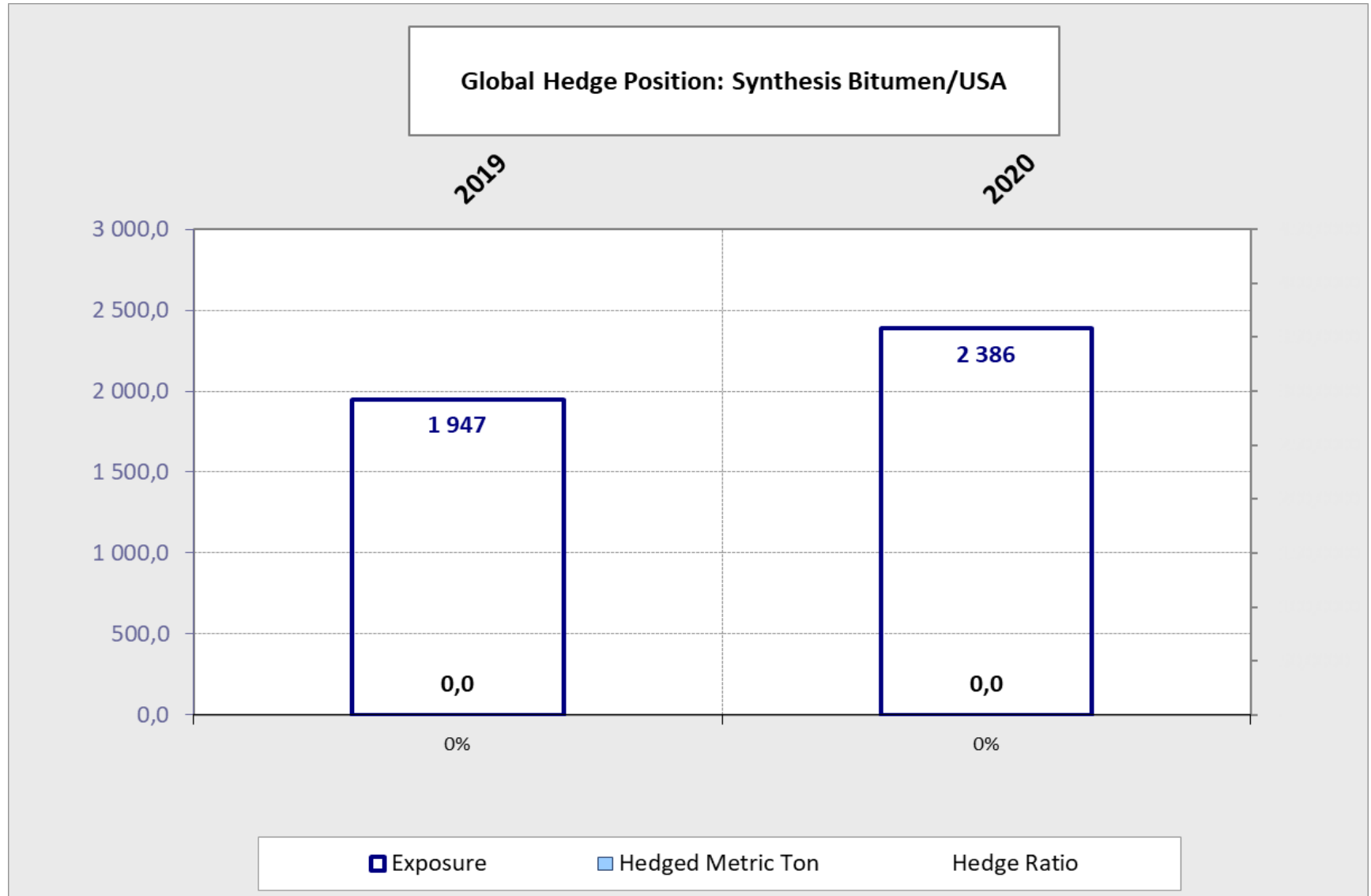
Malaysian subsidiary - Synthesis



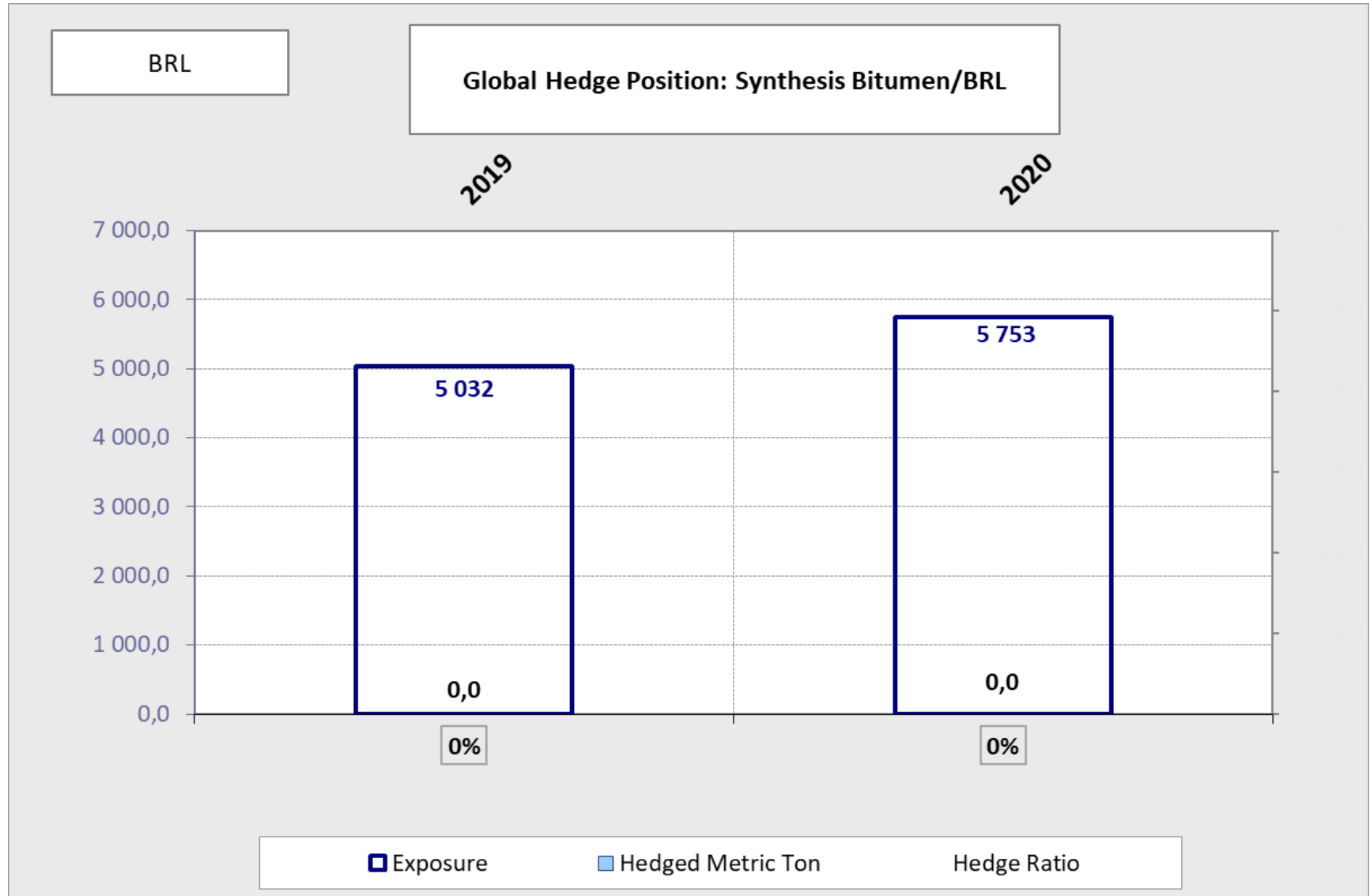
Malaysian subsidiary - 2019



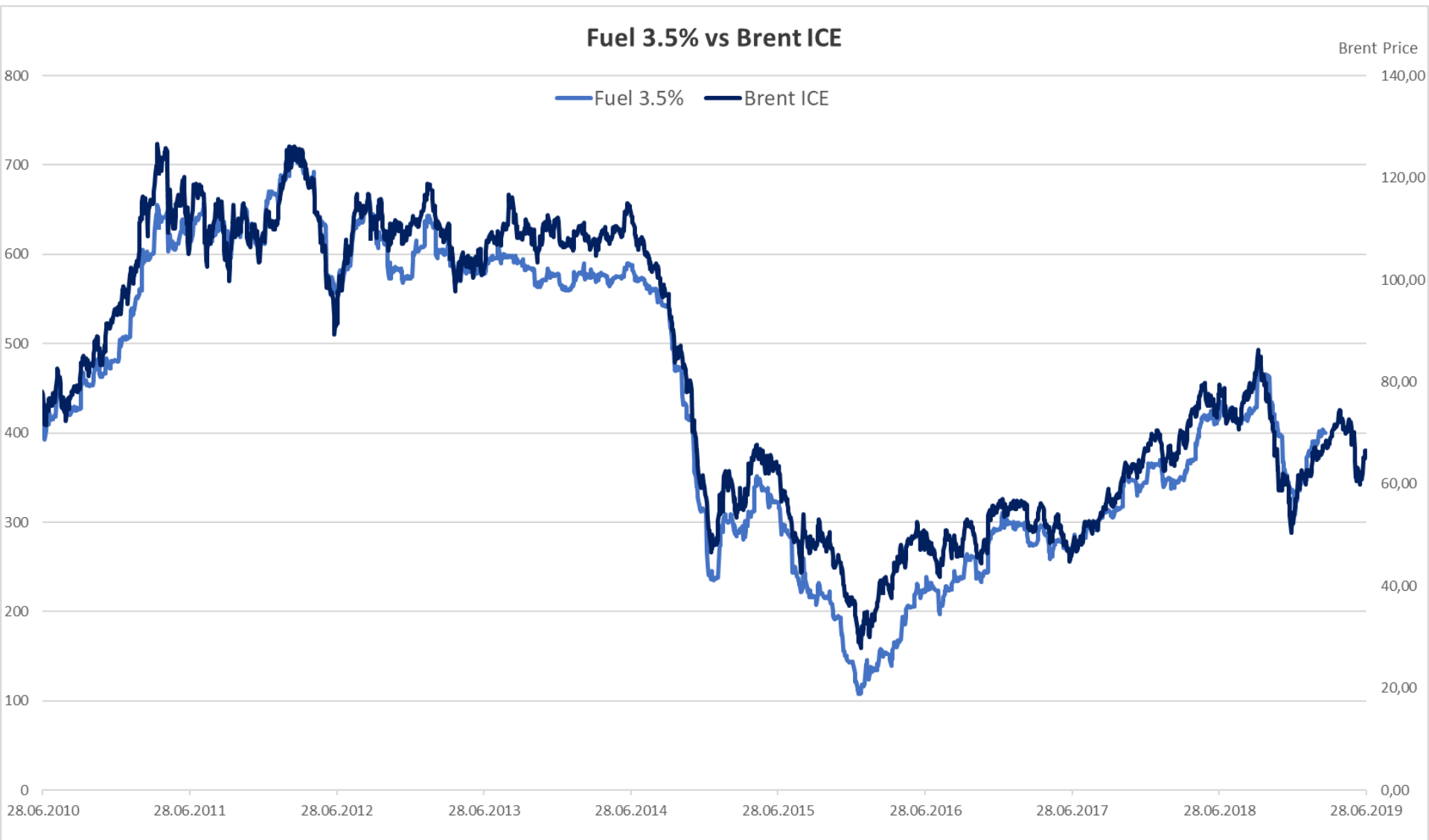
US subsidiary - Synthesis



Bitumen/BRL - Synthesis



Historical prices



Historical prices

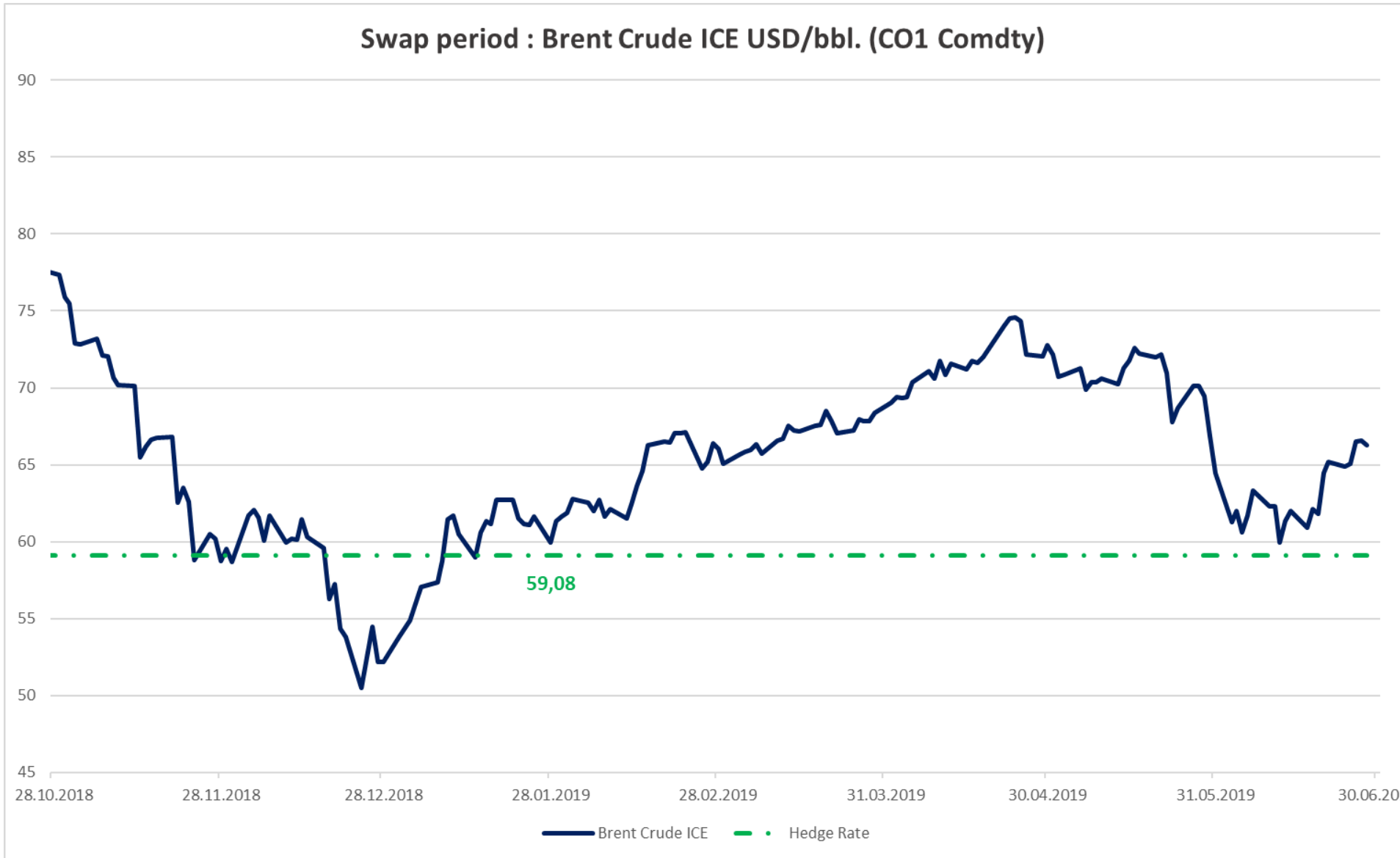
Swap period : Fuel 3.5% USD/MT (LW1 Comdty)



312,12 USD = 274,5 * 1,13705 (EURUSD Fixing Bloomberg end of Month)

Historical prices

Swap period : Brent Crude ICE USD/bbl. (CO1 Comdty)



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