

Tornator Oyj

Half-year report, 1 January – 30 June 2023



Tornator's net sales up by over 11% – demand for sustainably produced wood raw material remained high

Half-year report -Stock exchange release, 8 am on 24 August 2023

SUMMARY 1 JAN - 30 JUNE 2023 (1 JAN - 30 JUNE 2022)

- Net sales increased by 11.3% to €84.2 million (75.7). The ending of timber imports from Russia and the energy crisis had a positive impact on wood demand and prices.
- Operative operating profit increased by 7.3% to €60.8 (56.7) million. The operating profit as reported in accordance with the International Financial Reporting Standards (IFRS) was €130.1 million (46.0). The increase is explained by the application of the method of calculating the fair value of forestland based on transaction prices in the forest holdings market during the reporting period, and the resulting positive change in value (the method was not yet in use in the reference period).
- Tornator continued to purchase forestland in Finland. Nearly 10,000 hectares of new forestland was acquired, with a total investment of almost €50 million.
- The company increased its investment capacity by agreeing an addition of €100 million to its existing Revolving credit facility. In addition, the company restructured its long-term interest rate hedges to reduce direct financing costs and shorten the average maturity of the hedges. At the same time, the exposure of the interest rate hedge portfolio to changes in fair value due to fluctuations in market interest rates is significantly reduced.
- IFRS profit at fair value for the reporting period was €100.0 million. The change in the fair value of interest rate instruments was +€2.6 million (+94.6) before taxes. The increase in statistical prices in the forestland market had a positive impact of €63.4 million (-10.1) before taxes on the fair value of the growing stock.
- Comparable return on equity was 4.2% (6.3) and 10.1% (16.8) at fair value. The equity ratio was 59.5% (53.3).

Key figures (consolidated)

	H1/2023	H1/2022	Change, %
Net sales, € million	84.2	75.7	11 %
Operating profit (IFRS), € million	131.0	46.0	185 %
Operating profit, %	155.5	60.7	156 %
Profit for the period (IFRS), € million	100.0	107.8	-7 %
Return on equity, %	10.1	16.8	-40 %
Return on capital employed, %	9.3	4.5	108 %
Equity ratio, %	59.5	53.3	12 %
Average number of personnel	188	188	0 %

The key figures are calculated according to the International Financial Reporting Standards (IFRS).

Comparable key figures

	H1/2023	H1/2022	Change, %
Net sales, € million	84.2	75.7	11 %
Operative operating profit, € million	60.8	56.7	7 %
Operative operating profit, %	72.2	74.9	-4 %
Comparable net profit, € million	41.3	40.6	2 %
Comparable return on equity, %	4.2	6.3	-34 %
Comparable return on capital employed, %	4.4	5.5	-21 %

In addition to the official key figures presented above, the Tornator Group uses alternative performance measures that are comparable between years, thus better describing the success of operations. The comparable key figures have been calculated without fair value changes and apply to the whole Group. The key figures are calculated as follows:

Operating profit, IFRS	131,0
- Change in fair value of biological assets	63,4
- Change in fair value of provisions and and receivables from additional wind power sales prices	6,7
= Operative operating profit, comparable	60,8
Profit for the period, IFRS	100,0
Change in fair value of biological assets	63,4
Change in fair value of provisions and long-term receivables	6,7
Change in fair value of financial instruments	2,6
Share of taxes of above mentioned items	-14,1
= Comparable net profit	41,3





CEO Henrik Nieminen:

"Our strategy, built on long-term sustainability and partnership, is delivering excellent results. Tornator's net sales increased by 11.3% and its adjusted operating profit by 7.3% from the comparison period. Timber flow from the forest to our main customer Stora Enso was smooth, and the good market prices contributed to a new six-month record. End of Russian timber imports and the energy crisis, combined with investments in the forest industry in Finland and Sweden, have significantly changed the dynamics of the timber market in the Baltic Sea region. Timber imports from the Baltic countries are not enough to meet the demand for timber in Finland, so Finnish forest owners also have an important role to play in terms of security of supply. Sustainable, active use of forests ensures their health and growth potential and contributes to Finland's economic and social wellbeing. Climate-smart forestry that safeguards biodiversity gives Finland a major competitive advantage globally.

We continued our growth strategy by acquiring around 10,000 hectares of new forestland in Finland. We increased our investment capacity by agreeing the addition of €100 million to our existing Revolving credit facility. Our forestry services business with Stora Enso took a leap in growth, and collaboration with entrepreneurial partners developed well. The strong momentum in the timber trade also boosted the results of our Estonian and Romanian subsidiaries to record highs. We signed a number of new agreements to promote the construction of wind farms on Tornator's land, and we are exploring the potential of solar power to grow our business. In line with our Biodiversity Program we carried out prescribed burning and mire restoration, and negotiated about the establishment of new nature conservation areas. As part of our efforts to safeguard biodiversity, we worked with WWF and Stora Enso on projects to improve the condition of Finland's running waters and protect their species. Tornator also implemented its partnership strategy by being one of the main sponsors of the Carbonwise Jukola project, where we also shared our ideas on the role of forests in mitigating climate change. We updated our scenario work from the previous year and compared the actual events to the fulfilled scenario paths. We could confirm that our strategy responds well to the changes in the operating environment, and that there was no need to reassess it. We continued to help people affected by the war in Ukraine through our Romanian unit.

The government programme of the new Finnish government is positive for the forestry sector. The programme recognises in many ways the importance of sustainable economic use of forests for Finland's wellbeing and for combating climate change. In the light of recent news and research findings, it is therefore vital that all countries understand the true importance of forests and the effectiveness of different measures for people, the climate and nature. From the point of view of the planet's climate, solutions are needed for the huge annual forest fires in Canada and Russia, which release large amounts of carbon dioxide into the atmosphere. And when it comes to deforestation, ways must be found to protect Brazil's rainforests and also to deal with the worldwide pressure to build due to urbanisation. In Europe, a major concern for forest owners is the increasing drought and the resulting increase in damage caused by insects.

A recent Swedish study by the Swedish Forest Agency and the Swedish University of Agricultural Sciences (see *Metsälehti* 6/2023) investigated the impact of different forest management practices and strategies on the development of forest carbon stocks over a 100-year period in relation to current forest management. The six forest management options included, among other things, significant increases in protection, continuous cover growing or extended rotation periods compared to current prevailing methods. The result of the study was clear: current Nordic forest management methods lead to the greatest development of carbon stocks. All other options result in a loss of growing stock or a significant increase in the various risks of damage. It is also important to understand that sustainable forestry does not cause deforestation — on the contrary, there is more wood in the forests every year than ever before. This is the case in all Tornator forests in Finland, Estonia and Romania. In addition to forest certificates, our own Biodiversity Program helps to ensure the conservation of valuable habitats. Like it or not, people and nature are inseparable. Tornator promotes ecological sustainability while also taking care of social and economic sustainability.

The general economic outlook for the rest of the year is hazy, as is the case for the timber processing industry. Tornator has secured timber demand and cash flows through a long-term binding timber sales

agreement. Naturally, we monitor market developments closely and take care of our own operating efficiency and innovation needs. Forestry is a long-term activity, however, where the most important thing is to ensure overall responsibility over time. The company's personnel have shown that they are motivated and capable of managing the company's forests responsibly and with the highest degree of professionalism. The wellbeing and personal growth of our personnel will remain one of our key strategic priorities. Tornator has an important role to play in leading the way in Finnish forestry, and our current strategy is a good response to this challenge.

Effects of the war in Ukraine

Russia's invasion of Ukraine and the consequent general economic instability did not have any major negative impact on Tornator's performance, balance sheet or cash flows. Tornator's net sales and operating profit were historically high during the reporting period. Cash flow from operating activities was also good. The company's credit losses have not increased, and the company does not envisage higher financial risks or a fall in the value of its assets. Tornator's contractors found replacements for Ukrainian seasonal workers, so forest management measures were not affected.

Notable events during the reporting period

Timber deliveries were at an excellent level, totalling approximately 1.7 million cubic metres (1.8), for a value of €79.0 million (68.7). End of the supply of Russian timber imports and the energy crisis increased the demand and price of renewable wood raw material. Thanks to good customer collaboration, harvesting operations were executed smoothly.

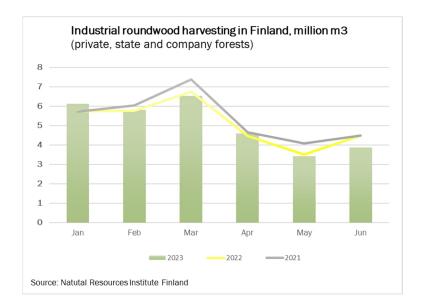


In total, the group recorded \in 1.0 million (3.6) in real estate sales. Net sales for forestry services totalled \in 4.2 million (3.5). Other income totalled \in 2.1 million (\in 2.6).

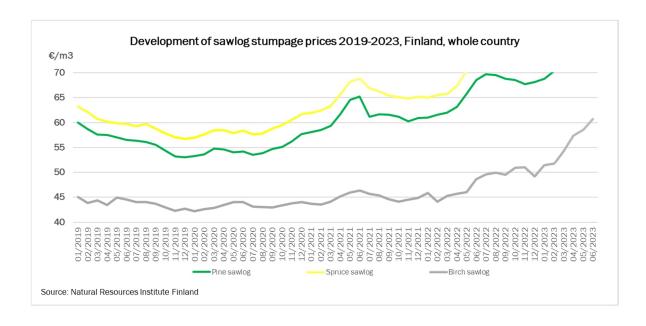
The impact on income of changes in the fair value of interest instruments was EUR +2.6 million (+94.6) from the beginning of the year. At the end of June, the fair value of interest rate derivatives totalled +643.7 million (+640.7 million on 31 December 2022). The fair value of forests at the end of June was 63,219.5 million (63,101.0 million on 31 December 2022).

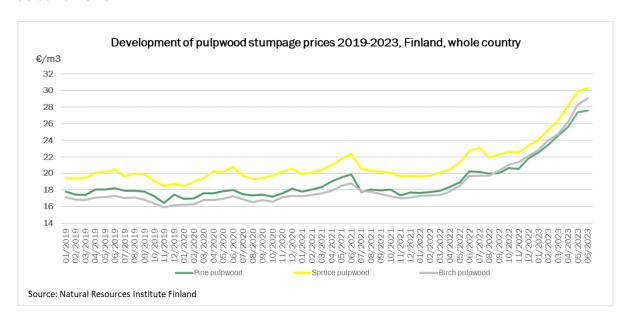
Business environment

Good demand for timber products pushed up the prices of both sawn timber and pulp from the start of the year. In Finland, a total of approximately 30.3 million cubic metres of industrial wood was cut in the period from January to the end of June. The volume of felling was close to the previous year, but slightly less than in the same period in 2021.



The good economic cycle in the forest industry has also been reflected in timber prices. The market prices of timber rose exceptionally high from the start of the year. In average prices for January to the end of June, the price of sawlog was on average 15% higher than the previous year, and the price of pulpwood more than 30% higher than the previous year.





Demand for leisure building plots was modest. Supply of forestland was still significantly below demand, but there was a slight slowdown in price increases.

In Estonia, timber market prices started to fall after a boom. Prices in the forestland market remained high.

In Romania, demand for timber and its price increased from the previous year. The forestland markets were quiet.

Finance

The group's financial position remained good, and cash flow from operations before financial items was €47.5 million (29.8).

The group's net financing expenses in January to the end of June were -€8.5 (+87.9) million. Tornator's interest-bearing liabilities totalled €897.5 million (€818.1 million on 31 December 2022), of which €799.1 million were long-term (€749.1 million on 31 December 2022) and €98.4 million were short-term (€69.0 million on 31 December 2022).

The company has used interest rate derivatives to hedge against market interest rate changes. During the reporting period, Tornator modified its derivative contracts by terminating all old interest rate swaps and signing new interest rate cap options to replace them. The positive fair value of the terminated contracts was used to pay option premiums on the new contracts – that is, the arrangement had no cash flow or profit or loss impact at the time it was executed. The change in the fair value of derivatives recognised in the income statement for January to the end of June was $+ \in 2.6$ million (+94.6), and the change in accrued interest recognised in interest expenditure accounted for $+ \in 0.3$ million (-0.0) of the change in the fair value of derivatives.

During the reporting period, Tornator's net cash flow from investing activities was -€50.7 million (-22.5). Net cash flow from financing activities was +€19.3 million (+2.8). Liquid financial assets and cash and cash equivalents on 30 June 2023 were €6.5 million (€19.6 million on 31 December 2022). The company has a bank account overdraft of €10 million and a committed standby credit facility of €200 million, of which €50 million is used at the date of reporting. Of Tornator's €300 million commercial paper programme, €99 million was used on the date of reporting.

Estimate of future development

Tornator estimates that its cash flow and debt service capacity will remain stable and solid for the rest of the year.

The company will update its long-term sustainable harvesting plan in the autumn, and the annual fair value update of its forests will be carried out in the final quarter.

The forest industry's sharply weakened profit performance may put pressure on the timber market price in the short term. In the forestland market, prices are likely to remain at the level of the early part of the year. Forest management work will be continued according to the normal annual cycle, and development projects for the digital roadmap will be carried out as planned.

Decisions of the Annual General Meeting

The Annual General Meeting of Tornator Oyj, held on 8 March 2023, decided that dividend be paid as proposed by the Board of Directors to the value of €12.0 per share, totalling €60 million. The AGM approved the financial statements for 2022 and discharged the members of the Board of Directors and the CEO from liability. PricewaterhouseCoopers was chosen to conduct the audit. The AGM elected the following members and deputies to the new Board of Directors:

Ordinary member	Deputy member
Mikko Koivusalo	Markus Aho
Tuomas Virtala	Erkko Ryynänen
Seppo Toikka	Jari Suvanto
Mikko Mursula	Ilja Ripatti

Organisation of the Board of Directors

On 8 March 2023, the new Board of Directors elected Mikko Koivusalo as Chair and Mikko Mursula as Vice Chair. Tuomas Virtala was elected as a member of the Remuneration Committee in addition to the aforementioned two persons. The committee reports to the board. For the Oversight Committee that oversees agreements between the company and shareholders, the board elected Mikko Mursula as Chair, Mikko Koivusalo and Tuomas Virtala as members and Seppo Toikka as deputy member.

The minutes of the Annual General Meeting are available in full on the company's website at www.tornator.fi/en/investors.

Notable events after the end of the reporting period

In early July, the company issued a 12-year fixed-rate secured Green bond to the value of €50 million. The funds are intended for implementation of the growth strategy.

Major shareholders, 30 June 2023

Shareholder	%
Stora Enso Oyj	41,00 %
Keskinäinen eläkevakuutusyhtiö Ilmarinen	23,13 %
Keskinäinen työeläkevakuutusyhtiö Varma	15,33 %
OP Henkivakuutus Oy	6,25 %
OP-Metsänomistaja -erikoissijoitusrahasto	5,00 %
OP-Eläkesäätiö	2,08 %
Pensionsförsäkringsaktiebolaget Veritas	2,50 %
Finnairin Eläkesäätiö	2,18 %
Pohjola Vakuutus Oy	1,04 %
Riffu Oy	0,75 %
Danilostock Oy	0,75 %
Total	100,00 %

For further information, please contact:

Chief Executive Officer (CEO) Henrik Nieminen, tel. +358 40 869 7613

Chief Financial Officer (CFO) Antti Siirtola, tel. +358 40 773 0975

www.tornator.fi/en

Tornator is a leader in sustainable forestry in Europe. It owns forests in Finland, Estonia and Romania. In 2022, the group's turnover was approximately \in 165 million, and the balance sheet value was about \in 3.2 billion. The group has around 190 employees. Tornator's own employees, and other companies and their employees working on its forestland, add up to around 1,500 person-years of employment. The owners of the parent company are Finnish, mainly institutional investors. Tornator's mission is to generate sustainable wellbeing from forests.

Tables – Condensed half-year financial statements and notes

EUR thousand	30 June 2023	30 June 2022	31 Dec 2022
	(unaudited)	(unaudited)	(audited)
Net sales	84,204	75,672	164,641
Other operating income	4,391	2,583	11,666
Change in fair value of biological assets and harvesting	63,420	-10,121	462,166
Change in inventories of finished goods and work in progress	-254	-993	-2,488
Materials and services	-12,437	-10,342	-30,071
Personnel expenses	-5,584	-5,170	-10,301
Depreciation and amortisation	-1,653	-1,638	-15,019
Reversal of impairment	3,400		
Other operating expenses	-4,528	-4,032	-8,577
Operating profit	130,959	45,960	572,017
Financial income	982	187	480
Financial expenses	-12,088	-6,830	-14,118
Change in fair value of financial instruments	2,636	94,572	110,902
Net financial items	-8,470	87,930	97,264
Profit before tax	122,490	133,890	669,281
Income taxes	-9,510	-28,413	-42,897
Change in deferred taxes	-13,004	2,343	-84,456
Profit for the period	99,976	107,820	541,927
Distribution:			
To shareholders of the parent company	99,976	107,820	541,927
Consolidated statement of comprehensive income			
Profit for the period	99,976	107,820	541,927
Other comprehensive income for the period after taxes:			
Items not recognised later through profit and loss			
Other items of comprehensive income (after taxes)			31
Items that may later be recognised through profit and loss			
Translation difference	-29	4	-28
Revaluation of forest land	2,137		211,424
Comprehensive income for the period total	102,084	107,823	753,355
Distribution:			
To shareholders of the parent company	102,084	107,823	753,355

Condensed consolidated balance sheet

EUR thousand	30 June 2023 (unaudited)	30 June 2022 (unaudited)	31 Dec 2022 (audited)
ASSETS			
Non-current assets			
Forest assets	3,219,492	2,329,029	3,101,049
Biological assets	2,844,251	2,222,936	2,737,264
Bare land	375,242	106,093	363,785
Other property, plant and equipment	15,737	15,562	16,006
Intangible assets	1,734	1,205	1,984
Right-of-use assets	1,820	1,944	1,911
Derivatives	43,692	36,130	42,352
Other investments	111	111	111
Non-current receivables	10,447	18,733	7,513
Non-current assets total	3,293,034	2,402,713	3,170,926
Current assets			
Inventories	90	45	92
Accounts receivable and other receivables	62,139	51,078	53,061
Investments	932	2,323	356
Cash and cash equivalents	5,604	2,836	19,244
Current assets total	68,765	56,283	72,753
Total assets	3,361,799	2,458,997	3,243,679
EQUITY AND LIABILITIES			
Equity attributable to shareholders of the parent company			
Share capital	50,000	50,000	50,000
Other equity	1,943,931	1,256,315	1,901,847
Total equity	1,993,931	1,306,315	1,951,847
Liabilities			
Non-current liabilities			
Deferred tax liabilities	433,361	280,224	419,823
Financial liabilities	799,103	748,844	749,052
Derivatives	0	11,844	1,620
Lease liabilities	1,578	1,720	1,644
Other non-current liabilities	186	237	186
Non-current liabilities total	1,234,228	1,042,869	1,172,325
Current liabilities			
Financial liabilities	98,351	62,858	69,016
Accounts payable and other payables	23,025	17,708	23,626
Income tax liabilities	1,646	19,824	15,188
Lease liabilities	340	303	355
Provisions	10,278	9,120	11,323
Current liabilities total	133,640	109,813	119,508
Total liabilities	1,367,868	1,152,682	1,291,833
Total equity and liabilities	3,361,799	2,458,997	3,243,679

Statement of changes in equity

EUR thousand						
Lott thousand	Share	Share	Translation	Revaluation	Retained	
	capital	premium	difference	reserve	earnings	Total equity
Equity 1 January 2023	50,000	29,995	-10,877	211,424	1,671,304	1,951,847
Comprehensive income						
Profit for the period Other items of comprehensive income (after					99,976	99,976
taxes)						
Revaluation of forest land Translation difference			-29	2,137		2,137 -29
Comprehensive income for the period			-29	2,137	99,976	102,084
Transactions with shareholders Dividends paid					-60,000	-60,000
Total transactions with shareholders					-60,000	-60,000
Equity 30 June 2023 (unaudited)	50,000	29,995	-10,906	213,562	1,711,280	1,993,931
Equity 1 January 2022	50,000	29,995	-10,849		1,189,346	1,258,492
Comprehensive income						
Profit for the period Other items of comprehensive income (after					107,820	107,820
taxes)						
Translation difference			4			4
Comprehensive income for the period Transactions with shareholders			4		107,820	107,823
Dividends paid					-60,000	-60,000
Total transactions with shareholders					-60,000,0	-60,000,0
Equity 30 June 2022 (unaudited)	50,000	29,995	-10,845		1,237,166	1,306,315
Equity 1 January 2022	50,000	29,995	-10,849		1,189,346	1,258,492
Comprehensive income						
Profit for the period Other items of comprehensive income (after					541,927	541,927
taxes)						
Revaluation of forest land				211,424		211,424
Other items of comprehensive income (after taxes)					31	31
Translation difference			-28			-28
Comprehensive income for the period Transactions with shareholders			-28	211,424	541,958	753,355
Dividends paid					-60,000	-60,000
Total transactions with shareholders					-60,000,0	-60,000,0
Equity on 31 Dec 2022	50,000	29,995	-10,877	211,424	1,671,304	1,951,847

Condensed statement of cash flows

EUR thousand	1 Jan - 30 Jun 2023	1 Jan - 30 Jun 2022	1 Jan – 31 Dec 2022
Cash flow from operating activities			
Cash receipts from transactions in forestry	72,113	46,619	140,099
Cash receipts from transactions in land sales	968	3,559	5,201
Cash receipts from other operating income	3,152	3,096	24,272
Cash paid to suppliers and employees	-28,737	-23,433	-49,356
Cash flow from operating activities before financial items and taxes	47,496	29,841	120,217
Interest paid, interest-bearing debt	-8,536	-1,390	-9,191
Net interest payments from derivatives	-142	-2,628	-4,405
Other financial expenses	-1,016	-540	-798
Interest received	788	113	428
Income taxes	-20,783	-19,602	-41,294
Cash flow from operating activities	17,807	5,794	64,956
Cash flow from investing activities			
Investments in biological assets	-43,872	-23,674	-67,094
Investments in tangible assets, forestland	-5,422	-2,926	-8,293
Investments in other tangible and intangible assets	-868	-669	-3,466
Investments in money market funds Proceeds from sale of money market funds	-576	4,724	6,690
Cash flow from investing activities	-50,738	-22,545	-72,162
caeminon mem invocanig acuminos	33,,35	,	,_,,,,_
Cash flow from financing activities			
Repayment of long-term loans			-3
Withdrawal of short-term loans	79,485	62,961	70,000
Repayment of leasing liabilities	-174	-177	-343
Dividends paid	-60,000	-60,000	-60,000
Cash flow from financing activities	19,311	2,784	9,654
Net increase/decrease in cash and cash equivalents	-13,620	-13,967	2,448
Cash and cash equivalents at beginning of period	19,244	16,802	16,802
Effect of exchange rate changes on cash and cash equivalents	-21	1	-6
Cash and cash equivalents at end of period	5,604	2,836	19,244

Notes to the half-year report

General Information

Tornator Oyj (Tornator or the company) with its subsidiaries (together, the Group) is a leading company specialised in sustainable forest management in Europe. Tornator's main business is wood production and the sale of cutting rights. It also provides forest management and silviculture services, sells land for recreational use and buys forestland. The Group's main market is Finland, but it also owns forestland in Estonia and Romania. All Tornator Group's forests are FSC® certified. Forestland is split between countries as follows: Finland 669 000 (31 December 2022: 661 000), Estonia 65 000 (65 000) and Romania 12 000 (12 000) hectares. Average number of personnel during the financial period was 188 (188).

Finland FSC-C123368 Estonia FSC-C132610 Romania FSC-C132426

The Group's Half-year financial report for the six months ended 30 June 2023 has been prepared in accordance with the international financial reporting standard IAS 34 Interim Financial Reporting. The half-year report should be read in conjunction with the annual financial statements for the year ended 31 December 2022, which have been prepared in accordance with the International Financial Reporting Standards, IFRS.

The accounting policies adopted are consistent with those of the previous financial year, except for new IFRS standards which have been adopted for financial periods beginning on or after 1 January 2023. Annual amendments to IFRS have had no effects on the preparation of the Half-year report for the period ended 30 June 2023.

The preparation of the Half-year report requires management to make certain estimates and assumptions. Making of these assumptions and estimates has an impact on the assets and liabilities reported on the balance sheet date, the presentation of contingent assets and liabilities in the notes and the income and expenses reported for the half-year period. These estimates are based on the management's best knowledge of the events; thus, the final actual results may differ from the estimates made.

In preparing the Half-year report, the significant judgements made by management in applying the accounting policies and the key sources of estimation uncertainty were the same as those that applied to the consolidated financial statements for the year ended 31 December 2022.

The amounts presented in this half-year report are rounded, so the sums of individual amounts may differ from the total amounts reported.

Operating segments

The Group's main business is wood production and the sale of cutting rights to planned harvesting sites covering normal felling methods and wood assortments. The Group's operations are managed and monitored as a whole and the Group only has one operating segment. Therefore, operating segment information is not presented as it would re-present the income statement and the balance sheet.

Timber delivery (= a customer harvests marked stands and gains ownership of the timber) represented 93.8% of total revenues (90.8 % 1 Jan - 30 June 2022).

The following tables present the geographical distribution of revenues and non-current assets. Sales are attributed to countries on the basis of the geographical location of forests:

	1 Jan - 30 Jun 2023		1 Jan - 30 Jun 2022		1 Jan - 31 Dec	2022
Revenues:	EUR thousand	%	EUR thousand	%	EUR thousand	%
Finland	71,075	84,4	68,283	90,2	147,861,4	89,8
Romania and Estonia	13,129	15,6	7,389	9,8	16,779,7	10,2
Total	84,204	100,0	75,672	100,0	164,641	100,0

	1 Jan - 30 Jun	1 Jan - 30 Jun 2023 1 Jan - 30 Jun 2022 1 Jan - 3		1 Jan - 30 Jun 2022		2022
Biological assets:	EUR thousand	%	EUR thousand	%	EUR thousand	%
Finland	2,619,850	92,1	2,034,627	91,5	2,867,953,1	92,5
Romania and Estonia	224,400	7,9	188,308	8,5	233,095,8	7,5
Total	2,844,250	100,0	2,222,936	100,0	3,101,049	100,0

Forest assets

The value of forest assets comprises growing stock (biological assets) and the value of the land area.

Biological assets

EUR thousand	30 June 2023	30 June 2022	31 Dec 2022
Value at the beginning of the period	2,737,264	2,210,215	2,210,215
Harvesting	-70,037	-65,099	-119,136
Change in fair value of biological assets and growth	133,458	54,978	581,302
Change in Income statement	63,420	-10,121	462,166
Revaluation of land areas, other comprehensive income			
Purchases	43,872	23,674	67,094
Sales	-220	-848	-2,208
Translation difference	-85	16	-3
Value at the end of the period	2,844,251	2,222,936	2,737,264

Land areas

EUR thousand	30 June 2023	30 June 2022	31 Dec 2022
Value at the beginning of the period	363,785	103,270	103,270
Harvesting			
Change in fair value of biological assets and growth			
Amortisation of land areas			-11,720
Reversal of amortisation of land areas	3,400		
Change in Income statement	3,400		-11,720
Revaluation of land areas, other comprehensive income	2,672		264,216
Purchases	5,422	2,926	8,293
Sales	-27	-105	-273
Translation difference	-11	2	0
Value at the end of the period	375,242	106,093	363,785

T		
INTAI	TOPACT	assets
IVIA	101631	นววธเว

EUR thousand	30 June 2023	30 June 2022	31 Dec 2022
Value at the beginning of the period	3,101,049	2,313,485	2,313,485
Harvesting	-70,037	-65,099	-119,136
Change in fair value of biological assets and growth	133,458	54,978	581,302
Amortisation of land areas			-11,720
Reversal of amortisation of land areas	3,400		
Change in Income statement	66,820	-10,121	450,446
Revaluation of land areas, other comprehensive income	2,672		264,216
Purchases	49,294	26,600	75,387
Sales	-247	-953	-2,481
Translation difference	-96	18	-3
Value at the end of the period	3,219,492	2,329,029	3,101,049

Property, Plant and Equipment

EUR thousand	Buildings	Machinery and equipment	Roads and ditches	Purchases in progress	Total
Acquisition cost at 1 January 2023	1,774	3,105	39,293	3,104	47,276
Translation difference	-2	27	-1	0	24
Increases		34	314	822	1,170
Decreases		-12		-199	-212
Acquisition cost at 30 June 2023	1,772	3,153	39,606	3,727	48,258
Accrued depreciation and impairment					
Accrued depreciation and impairment at 1 January 2023	-730	-2,740	-27,799		-31,269
Depreciation and amortisation expense and impairments	-41	-70	-1,071	-70	-1,252
Accrued depreciation and impairment at 30 June 2023	-771	-2,811	-28,870	-70	-32,521
Book value at 30 June 2023	1,001	343	10,736	3,657	15,737
Book value at 1 January 2023	1,043	365	11,494	3,104	16,006

EUR thousand	Buildings	Machinery and equipment	Roads and ditches	Purchases in progress	Total
Acquisition cost at 1 January 2022	1,764	2,939	37,202	3,087	44,992
Translation difference	0	12	6	0	18
Increases	10	34	1,117	528	1,689
Decreases		-4		-1,101	-1,105
Acquisition cost at 30 June 2022	1,774	2,981	38,326	2,513	45,594
Accrued depreciation and impairment					
Accrued depreciation and impairment at 1 January 2022	-648	-2,535	-25,642		-28,825
Depreciation and amortisation expense and impairments	-41	-96	-1,070		-1,207
Accrued depreciation and impairment at 30 June 2022	-690	-2,631	-26,712		-30,032
Book value at 30 June 2022	1,084	351	11,614	2,513	15,562
Book value at 1 January 2022	1,043	365	11,494	3,104	16,006
EUR thousand	Buildings	Machinery and equipment	Roads and ditches	Purchases in progress	Total
EUR thousand Acquisition cost at 1 January 2022	Buildings 1,764				Total 44,992
		equipment	ditches	in progress	
Acquisition cost at 1 January 2022	1,764	equipment 2,939	ditches 37,202	in progress 3,087	44,992
Acquisition cost at 1 January 2022 Translation difference	1,764 0	equipment 2,939 0	37,202 1	in progress 3,087 0	44,992
Acquisition cost at 1 January 2022 Translation difference Increases	1,764 0	equipment 2,939 0	37,202 1	3,087 0 3,099	44,992 1 5,365
Acquisition cost at 1 January 2022 Translation difference Increases Decreases	1,764 0 10	equipment 2,939 0 166	37,202 1 2,089	3,087 0 3,099 -3,082	44,992 1 5,365 -3,082
Acquisition cost at 1 January 2022 Translation difference Increases Decreases Acquisition cost at 31 December 2022	1,764 0 10	equipment 2,939 0 166	37,202 1 2,089	3,087 0 3,099 -3,082	44,992 1 5,365 -3,082
Acquisition cost at 1 January 2022 Translation difference Increases Decreases Acquisition cost at 31 December 2022 Accrued depreciation and impairment	1,764 0 10 1,774	equipment 2,939 0 166 3,105	ditches 37,202 1 2,089 39,293	3,087 0 3,099 -3,082	44,992 1 5,365 -3,082 47,276
Acquisition cost at 1 January 2022 Translation difference Increases Decreases Acquisition cost at 31 December 2022 Accrued depreciation and impairment Accrued depreciation and impairment at 1 January 2022	1,764 0 10 1,774	equipment 2,939 0 166 3,105	37,202 1 2,089 39,293	3,087 0 3,099 -3,082	44,992 1 5,365 -3,082 47,276
Acquisition cost at 1 January 2022 Translation difference Increases Decreases Acquisition cost at 31 December 2022 Accrued depreciation and impairment Accrued depreciation and impairment at 1 January 2022 Depreciation and amortisation expense and impairments Accrued depreciation and impairment at 31 December	1,764 0 10 1,774 -648 -82	equipment 2,939 0 166 3,105 -2,535 -205	37,202 1 2,089 39,293 -25,642 -2,157	3,087 0 3,099 -3,082	44,992 1 5,365 -3,082 47,276 -28,825 -2,444

TORNATOR OYJ – HALF-YEAR REPORT 1 Jan – 30 June 2023

Intangible assets

EUR thousand	ICT software	Other intangible rights	Total
Acquisition cost at 1 January 2023	10,835	82	10,917
Translation difference	-27		-27
Increases	58		58
Decreases Acquisition cost at 30 June 2023	10,866	82	10,948
Accrued depreciation and impairment	10,000	02	10,740
Accrued depreciation and impairment at 1 January 2023	-8,851	-82	-8,933
Depreciation and amortization expense and impairments	-280		-280
Accrued depreciation and impairment at 30 June 2023	-9,132	-82	-9,214
Book value at 30 June 2023	1,734		1,734
Book value at 1 January 2023	1,378		1,378
EUR thousand	ICT software	Other intangible rights	Total
Acquisition cost at 1 January 2022	9,743	82	9,825
Translation difference	-36		-36
Increases	104		104
Decreases Acquisition cost at 30 June 2022	9,810	82	9,892
Accrued depreciation and impairment	9,610	02	9,092
Accrued depreciation and impairment at 1 January 2022	-8,365	-82	-8,447
Depreciation and amortization expense and impairments	-241	<u> </u>	-241
Accrued depreciation and impairment at 30 June 2022	-8,606	-82	-8,688
Book value at 30 June 2022	1,205		1,205
Book value at 1 January 2022	1,378		1,378
EUR thousand		Oth an internally la	
	ICT software	Other intangible rights	Total
Acquisition cost at 1 January 2022	9,743	82	9,825
Translation difference	0		0
Increases	1,092		1,092
Decreases Acquisition cost at 31 December 2022	10,835	82	10,917
Accrued depreciation and impairment	10,030	02	10,717
Accrued depreciation and impairment at 1 January 2022	-8,365	-82	-8,447
Depreciation and amortization expense and impairments	-487	<i>52</i>	-487
Accrued depreciation and impairment at 31 December 2022	-8,851	-82	-8,933
Book value at 31 December 2022	1,984		1,984
Book value at 1 January 2022	1,378		1,378

TORNATOR OYJ – HALF-YEAR REPORT 1 Jan – 30 June 2023

Right-of-use assets

EUR thousand	Office space	Machinery and equipment	Right-of-use assets, total
Acquisition cost on 1 January 2023	2,092	1,256	3,348
Increases	236	3	239
Decreases	-145	0	-145
Acquisition cost on 30 June 2023	2,182	1,259	3,441
Accrued depreciation and impairment			
Accrued depreciation and impairment on 1 January 2023	-761	-676	-1,437
Depreciation expense and impairment	-69	-116	-184
Accrued depreciation and impairment at 30 June 2023	-830	-792	-1,621
Book value at 30 June 2023	1,353	467	1,820

EUR thousand	Office space	Machinery and equipment	Right-of-use assets, total
Acquisition cost at 1 January 2022	2,502	816	3,318
Increases	370	168	538
Decreases	-653		-653
Acquisition cost on 30 June 2022	2,220	984	3,204
Accrued depreciation and impairment			
Accrued depreciation and impairment on 1 January 2021	-587	-482	-1,069
Depreciation expense and impairment	-99	-92	-191
Accrued depreciation and impairment on 30 June 2022	-686	-573	-1,260
Book value on 30 June 2022	1,533	411	1,944

EUR thousand		Machinery and	
	Office space	equipment	Right-of-use assets, total
Acquisition cost on 1 January 2022	2,502	816	3,318
Increases	370	440	811
Decreases	-781		-781
Acquisition cost on 31 December 2022	2,092	1,256	3,348
Accrued depreciation and impairment			
Accrued depreciation and impairment on 1 January 2022	-587	-482	-1,069
Depreciation expense and impairment	-173	-194	-368
Accrued depreciation and impairment on 31 December 2022	-761	-676	-1,437
Book value on 31 December 2022	1,331	580	1,911

Financial liabilities

		Cash flow from financing	Financial	Fair value	
EUR thousand	1 January 2023	activities	expenses	changes	30 June 2023
Bonds	349,024		127		349,152
Loans from financial instituti-					
ons	400,049	50,485	-77		450,458
Commercial paper	68,994	29,000	-150		97,845
Yhteensä	818,068	79,485	-99		897,454
Lease liabilities	1,998	-174			1,918
Financial liabilities total	820,066	79,311	-99		899,372

EUR thousand	1 January 2022	Cash flow from financing activities	Financial expenses	Fair value changes	30 June 2022
Bonds	348,770	activities	127	Changes	348,897
Loans from financial	340,770		127		340,097
institutions	399,891	2,961	81		402,933
Commercial paper		60,000	-128		59,872
Yhteensä	748,661	62,961	80		811,702
Lease liabilities	2,349	-177		-148	2,024
Financial liabilities total	751,010	62,784	80	-148	813,726

EUR thousand	1 January 2022	Cash flow from financing activities	Financial expenses	Fair value changes	31 December 2022
Bonds	348,770		255		349,024
Loans from financial instituti-					
ons	399,891	-3	162		400,049
Commercial paper		70,000	-1,006		68,994
Yhteensä	748,661	69,997	-590		818,068
Lease liabilities	2,349	-343		-8	1,998
Financial liabilities total	751,010	69,654	-590	-8	820,066

Lease Liabilities

EUR thousand	30 June 2023	30 June 2022	31 December 2022
Non-current	1,578	1,720	1,644
Current	340	303	355
Total	1,918	2,024	1,999

Derivatives

Tornator uses derivative contracts to hedge against interest rate risk. During the reporting period Tornator replaced old, long-term interest rate swaps with new interest rate cap options that have shorter maturity

Fair value of derivatives

Fair values of derivatives:

EUR thousand		30 June 2023		30 June 2022	31 December 2022
	Assets	Liabilities	Net	Net	Net
Interest rate swaps	-	-	-	24,286	40,731
Interest rate options	43,692		43,692	-	-
Total fair values of deriva- tives	43,692		43,692	24,286	40,731

Nominal value of derivatives

EUR thousand	30 June 2023	30 June 2022	31 Dec 2022
Interest rate swaps		339,313	339,313
Interest rate options	170,000		
Total nominal values of derivatives		339,313	339,313

Change in fair value of interest rate derivatives during the reporting period

EUR thousand	30 June 2023	30 June 2022	31 Dec 2022
Derivatives at the beginning of the period	40,731	-70,320	-70,320
Changes			
Income statement:			
Interest rate swaps, income	6,655	94,586	110,917
Interest rate swaps, expenses			
Interest rate options, income			
Interest rate options, expenses	-3,988		
Portion of the change in accrued in-			
terest*	293	20	134
Effect in income statement (changes in total)	2,960	94,606	111,052
Derivatives at the end of the period	43,692	24,286	40,731

^{*} Included in financial expenses in the income statement

Book values and fair values of financial assets and liabilities by category at 30 June 2023

Financial assets

Tillariciai assets				
EUR thousand	Amortised cost	Fair value through income statement	Book value	Fair value
Non-current				
Unlisted shares		111	111	111
Derivatives Additional purchase price of wind		43 692	43 692	43 692
power transactions		10 447	10 447	10 447
Total		54 250	54 250	54 250
Current				
Investments in money market funds		932	932	932
Accounts receivable	46 627		46 627	46 627
Additional purchase price of wind power transactions		15 120	15 120	15 120
Cash and cash equivalents	5 604		5 604	5 604
Total	52 231	16 052	68 282	68 282
Financial liabilities				
EUR thousand	Amortised cost	Fair value through income statement	Book value	Fair value
Non-current				
Interest-bearing debt	799 103		799 103	767 151
Total	799 103		799 103	767 151
Current				
Interest-bearing debt	98 351		98 351	98 351
Accounts payable	4 981		4 981	4 981
Total	103 333		103 333	103 333

Book values and fair values of financial assets and liabilities by category at 30 June 2022

Financial assets

	Amortised	Fair value through		
EUR thousand	cost	income statement	Book value	Fair value
Non-current				
Unlisted shares		111	111	111
Derivatives Additional purchase price of wind		36 130	36 130	36 130
power transactions		18 733	18 733	18 733
Total		54 974	54 974	54 974
Current				
Investments in money market funds		2 323	2 323	2 323
Accounts receivable	40 361		40 361	40 361
Additional purchase price of wind				
power transactions		10 466	10 466	10 466
Cash and cash equivalents	2 836		2 836	2 836
Total	43 197	12 789	55 986	55 986

Financial liabilities

EUR thousand	Amortised cost	Fair value through income statement	Book value	Fair value
Non-current	3001	moonie statement	DOOK FUILD	ran value
Interest-bearing debt	748 844		748 844	792 086
Derivatives		11 844	11 844	11 844
Total	748 844	11 844	760 688	803 930
Current				
Interest-bearing debt	62 858		62 858	62 858
Accounts payable	2 960		2 960	2 960
Total	65 818		65 818	65 818

Book values and fair values of financial assets and liabilities by category at 31 December 2022

Financial assets	ancial a	ssets
------------------	----------	-------

	Amortised	Fair value through		
EUR thousand	cost	income statement	Book value	Fair value
Non-current				
Unlisted shares		111	111	111,248
Derivatives Additional purchase price of wind		42 352	42 352	42351,646
power transactions		7 513	7 513	7 513
Total		49 976	49 976	49 976
Current				
Investments in money market funds		356	356	356
Accounts receivable	36 326		36 326	36 326
Additional purchase price of wind power transactions		15 868		
Cash and cash equivalents	19 244		19 244	19 244
Total	55 570	16 224	71 794	71 794

Financial liabilities

EUR thousand	Amortised cost	Fair value through income statement	Book value	Fair value
Non-current				
Interest-bearing debt	749 052		749 052	714 403
Derivatives		1 620	1 620	1 620
Total	749 052	1 620	750 672	716 023
Current				
Interest-bearing debt	69 016		69 016	69 016
Accounts payable	1 527		1 527	1 527
Total	70 542		70 542	70 542

Fair value hierarchy of assets and liabilities valued at fair value

The fair values for level 1 are based on the quoted prices of similar assets or liabilities in active markets.

The fair values for level 2 instruments, in turn, are based largely on input data other than quoted prices used for level 1. The used information is, however, observable from the market either directly (i.e. as prices) or indirectly (i.e. derived from prices). The Group generally determines the fair value of these instruments using generally accepted valuation models, utilising input data that is largely based on verifiable market data. The fair value of derivatives has been determined as the present value of cash flows arising from the respective contracts.

The fair values of level 3 instruments are calculated based on the input data regarding the asset or liability. This input data is not based on verifiable market data, but rather rests largely on management estimates and utilising these estimates using generally accepted valuation models.

The determination of fair values are described in a more detailed in Financial Statements. During the reporting period, there were no transfers made between fair value hierarchy levels 1 and 2, nor to or away from level 3.

30 June 2023				
EUR thousand	Level 1	Level 2	Level 3	Total
Assets				
Forest assets			3 219 492,3	3 219 492,3
Descivelies				
Receivables			25 544 2	25 544 2
Additional purchase price of wind power transactions Derivatives		43 691,7	25 566,3	25 566,3 43 691,7
Delivatives		43 091,7		43 091,7
Investments				
Unlisted shares			111,2	111,2
Investments in money market funds	932,0			932,0
Total assets	932,0	43 691,7	3 245 169,8	3 289 793,5
30 June 2022				
EUR thousand	Level 1	Level 2	Level 3	Total
Assets				
Forest assets			2 329 028,9	2 329 028,9
Receivables				
Additional purchase price of wind power transactions			29 198,7	29 198,7
Derivatives		36 129,6		36 129,6
Investments				
Unlisted shares			111,2	111,2
Investments in money market funds	2 323,2		, _	2 323,2
Total assets	2 323,2	36 129,6	2 358 338,9	2 396 791,7
Liabilities				
Derivatives		11 844,0		11 844,0
Total liabilities		11 844,0		11 844,0
04 D 0000				
31 Dec 2022 EUR thousand	Level 1	Level 2	Level 3	Total
Assets	Level I	Level 2	Level 3	TOLAI
Forest assets			3 101 048,9	3 101 048,9
Receivables			22 201 2	22 201 2
Additional purchase price of wind power transactions Derivatives		42 351,6	23 381,3	23 381,3 42 351,6
		42 331,0		42 331,0
Investments			444.5	444.5
Unlisted shares	255.7		111,2	111,2
Investments in money market funds Total assets	355,7 355,7	42 351,6	3 124 541,5	355,7 3 167 248,8
Iviai assets	300, <i>1</i>	42 30 I,0	3 124 341,5	3 10/ 240,0
Liabilities				
Derivatives		1 620,2		1 620,2
Total liabilities		1 620,2		1 620,2

Financial covenants

The loan agreements between Tornator and financial institutions include covenants on debt service capacity, gearing and the fair value of the pledged forestlands. The company fulfilled all covenant requirements with a safe margin.

Related party transactions

The following transactions were carried out with related parties:

Stora Enso Group owns 41% of the parent company Tornator's shares, which gives Stora Enso significant influence within the Group. The following transactions were carried out with Stora Enso:

EUR thousand	30 June 2023	30 June 2022	31 Dec 2022
Sales	75,312	63,721	141,375
Purchases	2	1	17
Receivables	43,829	38,532	31,269
Liabilities	7,219	4,773	7,536

Related party transactions occurred under the same terms and conditions as transactions between unrelated parties.

Employment benefits of management

EUR thousand	30 June 2023	30 June 2022	31 Dec 2022
Total paid remuneration for management team	696	978	1,337
Total amount was divided to following items Short term employment benefits	454	807	1,102
Post-employment benefits Other long term employment benefits	185 56	171	235
Board remuneration	26	26	53