

# **Greaves Cotton**

STOCK INFO. BSE Sensex: 18,771	BLOOMBERG GRV IN
S&P CNX: 5,569	REUTERS CODE GRVL.BO
Equity Shares (m)	48.8
52-Week Range	420/276
1, 6, 12 Rel. Perf. (9	%) -2/-28/-54
M. Cap. (Rs b)	16.8
M. Cap. (US\$ b)	0.4

25 Oct	ober 2007									Buy
Previou	is Recomme	endation:	Buy							Rs343
YEAR	NET SALES	PAT	EPS	EPS	P/E	P/BV	ROE	ROCE	EV/	EV/
END	(RS M)	(RS M)	(RS)	YoY (%)	(X)	(X)	(%)	(%)	SALES	EBITDA
06/07A	10,867	1,216	24.9	63.3	13.8	5.7	48.0	47.7	1.3	10.0
06/08E	13,988	1,249	25.6	2.7	13.4	4.4	37.0	47.7	1.0	8.2
06/09E	17,965	1,675	34.3	34.2	10.0	3.3	38.0	54.3	0.8	5.8

- 1Q results broadly in line: Greaves results for 1QFY08 (July-June year) are in line with expectation. Net sales at Rs2.7b are lower than the expected Rs2.9b. EBITDA margin at 12.8% is higher than the expected 12.1%. As a result, EBITDA is in line at Rs350m. Higher interest and lower other income have led to lower than expected PBT of Rs270m (expected Rs296m). PAT at Rs238m is higher than the expected Rs207m, due to Rs40m MAT credit.
- Engines segment hit by 3-wheeler slowdown: Greaves' engine segment registered a 2.7% de-growth on a YoY basis due to high interest led 3 wheeler slowdown. Power engines too were flat during the quarter partly due to effect of Rs90-100m worth of defence orders in 1QFY07.
- Infrastructure segment continues to be in hyper growth mode: Infrastructure equipment growth continues unabated with sales up 74% YoY and EBIT up 123%. With several new product launches in FY08 including higher-capacity concrete mixers, concrete batching plants, S-tube concrete pumps and higher tonnage vibratory compactors, Greaves expects to sustain such high growth rates in future.
- **2% downgrade in FY08E and FY09E EPS; maintain buy:** We have downgraded our PAT estimate for FY08 and FY09 by 3% to factor in lower than expected non-Piaggio engine growth, lower power gensets growth and higher infrastructure engines growth. The revised EPS is Rs25.6 for FY08 and Rs34.3 for FY09. We believe the stock valuations are extremely attractive, considering that Greaves is a zero debt company and has all built significant capabilities and capacities for growth over the medium and long term. We value Greaves at 12x FY09E EPS to arrive at a target of Rs412, 20% upside from current levels. We maintain **Buy**.

QUARTERLY PERFORMANCE									(RS	MILLION)
Y/E JUNE		FY07 (Standalone)			FY08 (Standalone)				FY07	FY08E
	1Q	2 Q	3 Q	4 Q	1Q	2QE	3QE	4QE	Cons.	Cons.
Net Sales*	2,488	2,835	2,856	2,482	2,723	3,336	3,657	3,788	10,867	13,988
Change (%)	30.9	36.6	35.0	10.7	9.5	17.7	28.1	52.6	30.2	28.7
Total Expenses	2,093	2,361	2,377	2,208	2,374	2,827	3,098	3,313	9,237	12,023
EBITDA	395	474	478	273	350	509	559	475	1,630	1,965
Change (%)	33.5	39.8	54.0	-14.9	-11.5	7.4	16.9	73.6	22.1	20.6
EBITDA Margin (%)	15.9	16.7	16.8	11.0	12.8	15.3	15.3	12.5	15.0	14.0
Depreciation	37	39	42	42	50	55	60	67	176	244
Interest	32	51	41	32	55	57	62	44	187	223
Other Income	21	28	26	58	25	45	48	50	174	179
PBT	348	412	421	257	270	442	486	413	1,440	1,677
Tax	102	114	82	-84	32	133	146	118	224	428
Tax/PBT (%)	29.4	27.6	19.5	-32.6	11.8	30.0	30.0	28.5	15.6	25.5
Reported PAT	246	298	339	341	238	309	340	296	1,216	1,249
Adjusted PAT	246	298	339	341	238	309	340	296	1,216	1,249
Change (%)	66.4	66.3	59.3	53.1	-3.1	3.7	0.4	-13.2	63.3	2.7
PAT Margin (%)	9.9	10.5	11.9	13.7	8.7	9.3	9.3	7.8	11.2	8.9
E. MOSt Estimate: * net of a	atimated avair	20								

E: MOSt Estimate; \* net of estimated excise

## 1Q results broadly in line

Greaves Cotton's standalone results were broadly in line with estimates. Net sales are up 9.5% YoY at Rs2.72b (estimated Rs2.9b). EBITDA margin is at 12.8%, down 310bps YoY, but higher than our expectations of 12.1%. As a result, EBITDA was in line at Rs350m (expected Rs349m).

Higher interest expense and lower other income have led to lower-than-expected PBT of Rs270m (expected Rs296m). During the quarter, the company claimed MAT credit of Rs40m, which helped to lower effective tax rate at 11.8% (expected 30%). Thus, PAT at Rs238m was higher than our expectation of Rs207m, but still 3% lower YoY.

### Engines segment hit by 3-wheeler slowdown

Engine sales at Rs1.97b is down 2.7% YoY and EBIT at Rs 269m is down 28% YoY. This segment accounts for 72% of sales (82% in 1QFY07), and can be further classified into –

- ∠ Automotive engines 70% of engine revenue
- ∠ Large engines 20%
- ∠ Light engines 10%.

**Automotive engines:** Greaves' supplies automotive engines mainly to three-wheelers. During the quarter, three-wheelers production is down 10% YoY. The main reasons are: (1) cannibalization of the higher payload segment (700kg) by *Tata Ace* and (2) low availability of credit and high interest rates.

Among Greaves' customers, Piaggio's volume is up 6% YoY, and other large customers (M&M, Atul Auto, Scooters India) down 31% YoY. Overall, Greaves' three-wheeler engine volumes were lower ~6% YoY.

**Large engines:** Large engines (for power gensets and construction equipment) are flat during the quarter, partly due to Rs90-100m worth of defence orders in 1QFY07.

**Light engines:** Light engines compromising of agricultural engines and tillers are up 20% YoY.

## Infrastructure equipment in hyper growth mode

Infrastructure equipment segment has registered robust growth – sales at Rs687m, up 74% YoY, and EBIT at Rs113m, up 123% YoY.

SEGMENT ANALYSIS - STANDALONE (RS M)

	FY07	FY08	YOY
	10	10	(%)
Segment Revenue *	2,488	2,723	9.5
Engines	2,026	1,972	-2.7
Infrastructure Equipment	394	687	74.4
Others	96	65	-32.3
Less: Inter-segment	28	1	
Segment EBIT	446	402	-9.9
Engines	375	269	-28.4
Infrastructure Equipment	51	113	123.4
Others	21	21	-0.5
Unallocable Exps. (net)	67	78	15.3
EBIT	379	325	-14.4
Less: Interest	32	55	73.7
Adjusted PBT	348	270	-22.4
Seg. EBIT Margin (%)	17.9	14.8	-3.2
Engines	18.5	13.6	-4.9
Infrastructure Eqpmt	12.8	16.4	3.6
Others	21.5	31.6	10.1

\* net of estimated excise

Source: Motilal Oswal Securities

### New product launches to fuel growth

Greaves has relied on its own R&D to line up a slew of new products in both engines and infrastructure equipment.

# 4-wheeler engines and compact telecom gensets:

In July 2007, Greaves commissioned its 30,000 twin-cylinder engines plant at Aurangabad. These engines will be used in sub-one tonne commercial vehicles, and also non-auto applications such as compact gensets for the telecom sector. The 4-wheeler engine is currently under trial run with Piaggio. Other Greaves customers like M&M and Atul Auto are also likely to launch their own 4-wheelers to compete with *Tata Ace*. We expect 4-wheeler engines to start contributing from 2HFY08. At full capacity, twin-cylinder engines segment will generate Rs2b in 2-3 years.

Other engine variants include the one-litre, 80hp engine, helping the company to tap into the most popular range for gensets.

Wider range of infrastructure equipment: Greaves expects to sustain its high growth in infrastructure equipment through several new products in FY08:

- higher-capacity concrete mixers
- concrete batching plants
- S-tube concrete pumps and
- higher-tonnage vibratory compactors.

# Full impact of Greaves Farymann to be felt in FY09:

In 1QFY08, Greaves Farymann (100% German subsidiary) reported sales of €2m (Rs114m). The company expects FY08 to be the gestation period to harness synergies, eg, development and supply of spares from India. Greaves expects to scale Farymann to Rs2b over 3-4 years.

## 2% downgrade in FY08E and FY09E EPS

We have downdraded our revenue estimates by 3% and EPS estimates by 2% for FY08E and FY09E. Our revised estimates are based on the following changes to our assumptions:

- Zero growth for non-Piaggio three-wheeler engines in FY08 (5% earlier)
- Lower power genset engines growth for FY08 from 30% to 25%
- ∠ Higher infrastructure equipment growth 70% in FY08 against 65% earlier
- ∠ Lower revenue from Greaves Farymann − Rs550m in FY08 (Rs600m earlier) and Rs605m in FY09 (Rs720m earlier).
- FY08 EBITDA margin cut to 14% (14.6% earlier), down 100bp YoY

Effective tax rate of 25.5% in FY08 (28% earlier), to factor in Rs40m MAT credit availed in 1Q. FY09 tax rate remains unchanged at 29.7%.

### Other assumptions (unchanged) -

- Supplies to Piaggio to grow at 10% in FY08 and 12% in FY09
- Four-wheeler vehicle sets (engine cum gear box) to sell 6,000 in FY08 and 18,000 in FY09, in line with Piaggio's ramp-up plans for *Ape Truk*
- Z Capex of Rs800m in FY08 and Rs500m in FY09

Factoring in the above, our sales estimate for FY08 and FY09 stand downgraded by 2%, and EPS estimate by 3% for both years. Revised EPS is Rs25.6 for FY08 and Rs34.3 for FY09. EPS CAGR through FY09 is 17%.

# Attractive valuations; maintain Buy

At CMP of Rs343, the stock trades at a P/E of 13.4x FY08E and 10x FY09E. We believe the stock valuations are extremely attractive, considering that Greaves is a zero-debt company with 35%+ RoE and 30% dividend payout. Further, it has built significant capabilities and capacities for growth over the medium and long term, including high focus on R&D-led product launches.

We expect very low downside from current levels, considering that about 10,000 forfeited shares have been recently reissued to key management personnel at Rs336 per share with a lock-in period of one year.

We value Greaves at 12x FY09E EPS to arrive at a target of Rs412, 20% upside from current levels. We believe there is room for earnings upgrade and valuation re-rating. We maintain **Buy**.

# Greaves Cotton: an investment profile

# **Company description**

Greaves Cotton has two major businesses:

- Engines (78% of FY07 sales): This can be further classified into: Automotive engines (70% of engines sales), Large engines for gensets and construction equipment (20%) and Agricultural engines (10%).
- Infrastructure equipment (18% of FY07 sales): This includes concrete equipment (batch-mix plants, transit mixers, and pumps); and road equipment (tandem rollers and vibratory compactors).

# Key investment arguments

- Greaves is one of the world's largest players in niche small engines, with wide-ranging applications.
- Greaves is among the top three in India in its respective infrastructure equipment segment.
- R&D-led new product development will drive growth and de-risk its business model from high exposure to three-wheelers in general, and its largest customer, Piaggio, in particular.

# Key investment risks

- Persistent slowdown in three-wheelers.
- Greaves' inability to offset loss of business from Piaggio due to captive engines facility by FY10.
- Rising competition in the infrastructure equipment.

# COMPARATIVE VALUATIONS

		GREAVES COTTON	KOEL *
P/E (x)	FY08E	13.4	17.7
	FY09E	10.0	12.2
P/BV (x)	FY08E	5.7	3.5
	FY09E	4.4	2.8
EV/Sales (x)	FY08E	1.3	1.4
	FY09E	1.0	1.1
EV/EBITDA (x)	FY08E	10.0	12.6
	FY09E	8.2	9.5

<sup>\*</sup> Kirloskar Oil Engines Ltd

#### SHAREHOLDING PATTERN (%)

	· · · /		
	SEP-07	JUN-07	SEP-06
Promoter	50.7	50.4	50.1
Domestic Inst	33.5	34.0	32.8
Foreign	2.9	2.8	3.7
Others	12.9	12.8	13.4

# Recent developments

- February 2007 Acquisition of Bukh Farymann in Germany, which makes single-cylinder engines for specialized applications such as speed-boats.
- ✓ July 2007 Inauguration of its new plant to manufacture twin-cylinder engines, to be used in 4-wheeler light trucks, construction equipment and compact gensets.

### Valuation and view

- ✓ Valuation is undemanding at 10x FY09E, for a company
  with an expected EPS CAGR of 17% through FY09,
  RoE of over 35% and dividend payout of 30%.
- We maintain **Buy** with a price target of Rs412 (12x FY09E EPS of Rs34.3).

#### Sector view

- Automotive engines are currently in a phase of slowdown, while power genset engines are growing at 25-30% per annum. Overall, we expect engine growth of 15-16% per annum.
- ✓ Infrastructure equipment continues to show hyper growth of 60-80% due to huge spends in construction and road-building.

EPS: MOST FORECAST VS CONSENSUS (RS)

	MOST	CONSENSUS	VARIATION
	FORECAST	FORECAST	(%)
FY08	25.6	=	-
FY09	34.3	-	-

### TARGET PRICE AND RECOMMENDATION

343	412	20.0	Buy
PRICE (RS)	PRICE (RS)	(%)	
CURRENT	TARGET	UPSIDE	RECO.
		=	

STOCK PERFORMANCE (1 YEAR)



INCOME STATEMENT				(Rs M	IILLION)
Y/E JUNE	2006	2007	2008E	2009E	2010E
Net Sales	8,349	10,867	13,988	17,965	21,304
Change (%)	27.8	30.2	28.7	28.4	18.6
Raw Materials Consumed	5,533	7,252	9,568	12,288	14,679
Power and Fuel Cost	82	111	142	183	217
Employee Cost	572	789	986	1,183	1,361
Other Manufacturing Cost	200	233	286	349	392
Selling and Admn Expenses	413	543	685	862	1,001
M isc Expenses	215	310	356	409	471
EBITDA	1,335	1,630	1,965	2,691	3,184
Change (%)	40.1	22.1	20.6	36.9	18.3
EBITDA Margin (%)	16.0	15.0	14.0	15.0	14.9
Depreciation	138	176	244	297	326
EBIT	1,198	1,454	1,721	2,394	2,858
Interest	103	187	223	246	267
Other income	115	174	179	236	350
PBT & EO Items	1,210	1,440	1,677	2,384	2,941
Extra-ordinary Items (net)	140	0	0	0	0
PBT	1,350	1,440	1,677	2,384	2,941
Tax	479	224	428	709	898
Rate (%)	35.5	15.6	25.5	29.7	30.5
Reported PAT	870	1,216	1,249	1,675	2,043
Adjusted PAT	745	1,216	1,249	1,675	2,043
Change (%)	76.6	63.3	2.7	34.2	22.0
PAT margin (%)	8.9	11.2	8.9	9.3	9.6

BALANCE SHEET				(Pe M	ILLION)
Y/E JUNE	2006	2007	2008E	2009E	2010E
Equity Share Capital	488	488	488	488	488
Reserves	1,678	2,505	3,349	4,565	6,034
Net Worth	2,167	2,993	3,838	5,053	6,522
Loans	550	473	0	0	0
Net Deferred Tax	-39	16	0	0	0
Capital Employed	2,677	3,482	3,838	5,053	6,522
Gross Fixed Assets	2,285	3,194	4,314	4,814	5,214
Less: Depreciation	1,102	1,261	1,505	1,802	2,128
Net fixed assets	1,183	1,933	2,809	3,012	3,086
Capital WIP	164	420	100	100	100
Investments	681	568	318	936	1,971
Curr. assets	2,918	3,268	3,546	4,234	4,892
Inventory	882	1,162	1,369	1,758	2,091
Debtors	926	935	1,150	1,477	1,751
Cash & Bank	363	393	250	300	350
Loans, Adv. & Others	747	778	778	700	700
Current liab. & prov.	2,267	2,706	2,935	3,229	3,527
Creditors	1,929	2,314	2,635	2,929	3,227
Other Liabilities	32	37	0	0	0
Provisions	306	356	300	300	300
Net Current Assets	650	561	611	1,005	1,365
Application of Funds	2,677	3,482	3,838	5,053	6,522
E: Estimates					,

RATIOS					
Y/E JUNE	2006	2007	2008E	2009E	2 0 10 E
Basic (Rs)					
EPS	15.2	24.9	25.6	34.3	41.8
Growth (%)	65.0	63.3	2.7	34.2	22.0
Cash EPS	20.6	28.5	30.6	40.4	48.5
Book Value	43.4	60.4	77.7	102.7	132.8
DPS	7.0	7.0	7.0	8.0	10.0
Payout (incl. Div. Tax.) (%)	43.5	32.0	32.0	27.3	28.0
Valuation (x)					
P/E		13.8	13.4	10.0	8.2
Cash P/E		12.0	11.2	8.5	7.1
Price/Book Value		5.7	4.4	3.3	2.6
EV/Sales		1.3	1.0	0.8	0.6
EV/EBITDA		10.0	8.2	5.8	4.5
Dividend Yield (%)		2.0	2.0	2.3	2.9
Profitability ratios (%)					
RoE	49.7	48.0	37.0	38.0	35.5
RoCE	49.5	47.7	47.7	54.3	49.7
Turnover ratios					
Debtors (days of sales)	40	31	30	30	30
Inventory (days of sales)	39	39	36	36	36
Creditor (days of total exp.)	100	91	80	70	65
Asset Turnover (x)	3.1	3.1	3.6	3.6	3.3
Leverage ratio					
Debt/Equity (x)	0.3	0.2	0.0	0.0	0.0

CASH FLOW STATEMENT				(Rs M	ILLION)
Y/E JUNE	2006	2007	2008E	2009E	2010E
PBT before EO Items	1,210	1,440	1,677	2,384	2,941
Add : Depreciation	138	176	244	297	326
Interest	103	187	223	246	267
Less : Direct taxes	479	224	428	709	898
(Inc)/Dec in WC	-556	119	-193	-344	-310
CF from Operations	415	1,698	1,523	1,874	2,327
EO, Misc. & Other Items	140	0	0	0	0
CF from Oper, incl. EO It	555	1,698	1,523	1,874	2,327
(Inc)/Dec in FA	-396	-1,185	-804	-503	-403
(Pur)/Sale of Investments	-338	113	250	-618	-1,035
CF from Investments	-734	-1,072	-554	-1,121	-1,438
Inc/(Dec) in Net Worth	243	2	0	0	0
Inc/(Dec) in Debt	-237	-77	-473	0	0
Inc/(Dec) in Deferred Tax Liabil	350	55	-16	0	0
Less: Interest Paid	103	187	223	246	267
Dividend Paid	377	390	400	457	571
CF from Fin. Activity	-124	-597	-1,112	-703	-839
Inc/Dec in Cash	-303	30	-143	50	50
Add: Beginning Balance	666	363	393	250	300
Closing Balance	363	393	250	300	350

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Disclosure of Interest Statement	Greaves Cotton
Analyst ownership of the stock	No
<ol><li>Group/Directors ownership of the stock</li></ol>	No
3. Broking relationship with company covered	No
4. Investment Banking relationship with company covered	No

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