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Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

GLYNTON JERSEYS

T/A INDUMENI FARMS CC

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Test-day: 2025-03-24

Jersey Cows

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HERD HEALTH SUMMARY REPORT

GLYNTON JERSEYS - Jersey Cows

Table 1: Summary for Test-day 2025-03-24 (Number of Samples Tested: 168)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 14.4 Median: 14.3		
Butterfat (%)	Avg.: 5.48 Median: 5.93	3.5 % - 6.0 %	Too Low: 0 % Too High: 26 %
Protein (%)	Avg.: 4.15 Median: 4.41	3.0 % - 4.5 %	Too Low: 0 % Too High: 19 %
Lactose (%)	Avg.: 4.52 Median: 4.63	> 4.7 %	Too Low: 83 %
MUN (mg/dl)	Avg.: 9.92 Median: 12.00	8 - 16 mg/dl	Too Low: 32 % Too High: 7 %
SCC (x1000/ml)	Avg.: 233 Median: 137 % < 100 : 63.7 % % < 200 : 81.0 % % < 500 : 92.9 % % > 750 : 4.8 % % > 1 000 : 3.0 % % > 1 500 : 3.0 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 0.3 % Too High: 0 % Too High: 0 % Too High: 0.0 % Too High: 2.0 % Too High: 3.0 %
Butterfat Protein ratio	Average: 1.3	> 1.0	Too High: 1.2 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-03-24

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	112.7 (4.7 %)	1st Lact Cows:	256/143 (138)
DIM (kg per day):	177.4 (7.3 %)	2nd Lact Cows:	128/100 (29)
		3rd Lact Cows:	62/62 (1)
No. of Cows Under Pressure:	10 (6.0 %)	4th Lact Cows:	0/ (0)
No. Cows with SCC > 200k:	32 (19.0 %)	5th Lact Cows:	0/ (0)
No. Cows with SCC > 750k:	8 (4.8 %)	6+ Lact Cows:	0/ (0)
No. New Infections:	28 (16.7 %)		
No. Recurring Infections:	2 (1.2 %)	Avg. SCC for SCC > 750k (n):	2667 (8)
Cure Rate for SCC > 200k:	40.4 % (21)		
Cure Rate for SCC > 750k:	40.0 % (6)	Avg. Days In Milk (DIM) for Herd:	190
No. Chronic Infections (SCC > 200k):	2 (1.2 %)	Median of DIM for Herd:	186
No. Chronic Infections (SCC > 750k):	0 (0.0 %)		
		Avg. DIM for SCC < 200k (n):	200 (136)
No. of Possible Ketosis Cases:	5	Avg. DIM for SCC > 200k and < 750k (n):	169 (24)
No. of Possible Acidosis Cases:	2	Avg. DIM for SCC > 750k (n):	164 (8)
Avg. Age at First Calf (Months):	26	Avg. Parity for Herd:	1
Avg. Inter-Calf Period (Days):	396	Avg. Parity for SCC < 200k:	1
No. Flushings:	NA	Avg. Parity for SCC > 200k and < 750k:	1
No. Embrios:	NA	Avg. Parity for SCC > 750k:	1

Table 3: Benchmark: Herd with the Top 25%, Average and Bottom 25% for different traits tested the last month of for Jersey Cows

	Milk Production (kg)	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)
Herd	14.4	5.48	4.15	4.52	233	9.92
Top 25%	25.3	5.72	4.30	4.84	39	17.15
Breed Avg	20.7	5.10	3.99	4.64	274	13.12
Bottom 25%	15.4	4.56	3.73	4.52	248	9.40

*** PLEASE CONSULT YOUR VETERINARIAN, PROFESSIONAL ANIMAL SCIENTIST or LogixMilk TECHNICAL ADVISOR for the interpretation of these results and professional advisory services.**

Table 4: Summary of Somatic Cell Counts per Lactation Group in the herd for 168 Jersey Cows

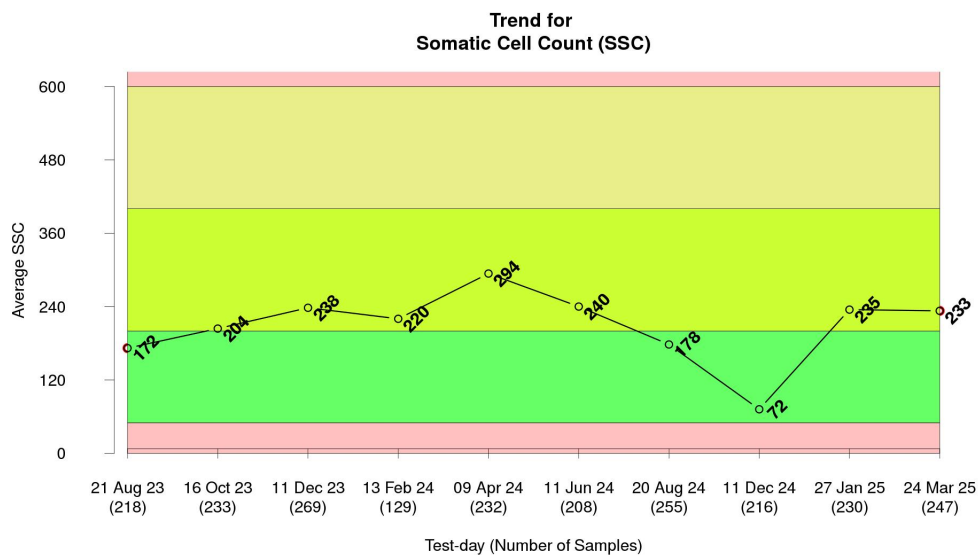
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	82.1% (138)	14.9% (25)	22.6% (38)	44.6% (75)	16.1% (27)	4.2% (7)
2	17.3% (29)	4.2% (7)	9.5% (16)	3.6% (6)	3.0% (5)	0.6% (1)
3	0.6% (1)	0.0% (0)	0.0% (0)	0.6% (1)	0.0% (0)	0.0% (0)
4	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
5	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
6+	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Herd	100% (168)	19.1% (32)	32.1% (54)	48.8% (82)	19.1% (32)	4.8% (8)

Table 5: Somatic Cell Count (SCC) Analysis: Percentage (Number) of Cows within Stage of Lactation and Lactation Group for SCC > 200k and SCC > 750k for 168 Jersey Cows

Lactation Group	Early Lactation		Mid Lactation		Late Lactation	
	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k
1	32.0% (8)	8.0% (2)	15.8% (6)	2.6% (1)	17.3% (13)	5.3% (4)
2	28.6% (2)	0.0% (0)	18.8% (3)	6.2% (1)	0.0% (0)	0.0% (0)
3	0% (0)	0% (0)	0% (0)	0% (0)	0.0% (0)	0.0% (0)
4	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)
5	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)
6+	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)

Table 6: Bulk Tank Results for 2025-03-24 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	5.42	4.11	4.53	225	10	

**Figure 1:** Somatic Cell Count (SCC) Trend

The average Somatic Cell Count (SCC) and the trend over time is shown in the graph. The ideal is a herd with an average count of less than 200 000. A higher SCC results in lower milk production and possible udder infection. If animals with high SCC can be identified early, they can be treated in time, thereby preventing production loss and permanent udder damage resulting in lower herd life.

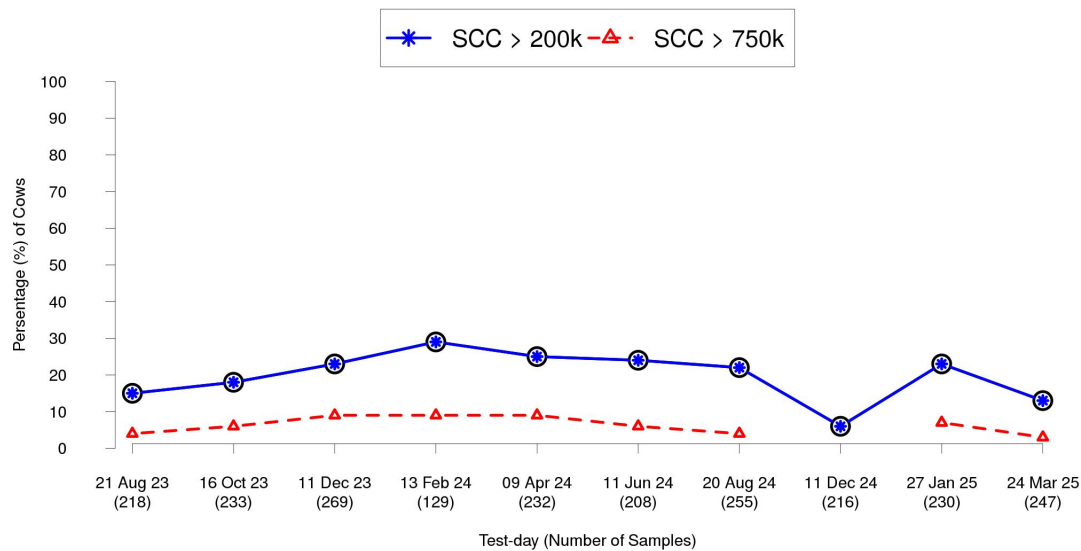


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

The graph presents the trend of the % of cows with Somatic Cell Counts (SCC) more then 200k and 500k, respectively. The ideal is to have as few cows as possible with a SCC of more than 200K and none with a SCC of more than 750k.

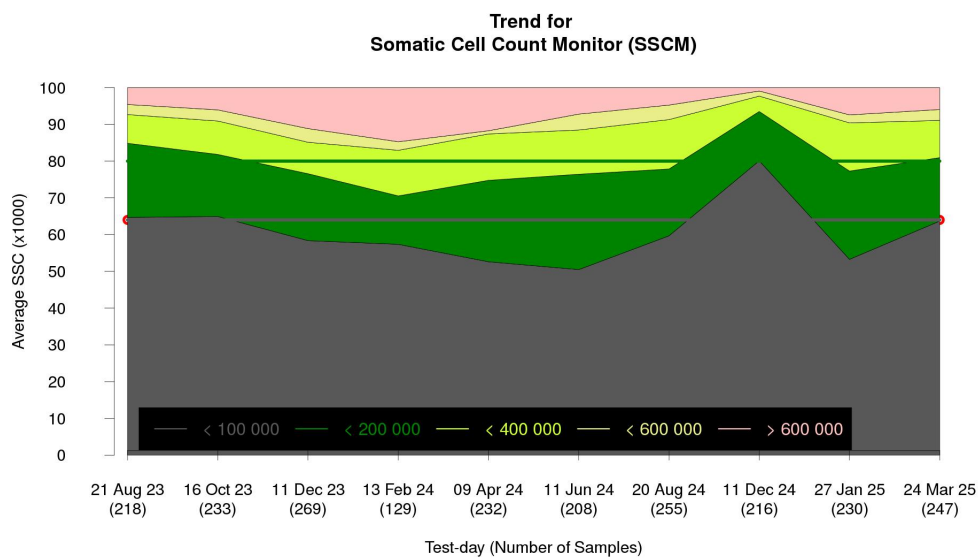


Figure 3: Somatic Cell Count (SCC) Monitor Trend

The graph shows the percentage of cows within certain Somatic Cell Count (SCC) levels. Ideally, at least 64% of the cows of a herd should have a SCC of less than 100 000 and 80% a SCC of less than 250 000. The danger zone is indicated in red, where ideally no cows should be indicated.

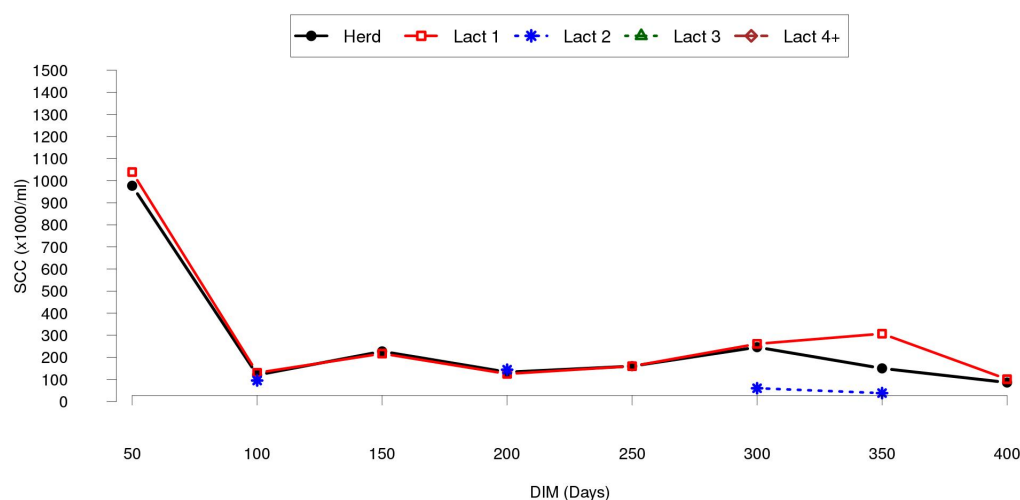


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

This graph indicates the average Somatic Cell Counts (SCC, x1000/ml) per day in milk (DIM) for the complete herd, as well as for Lactation 1, 2, 3 and 4+ cows, separately.

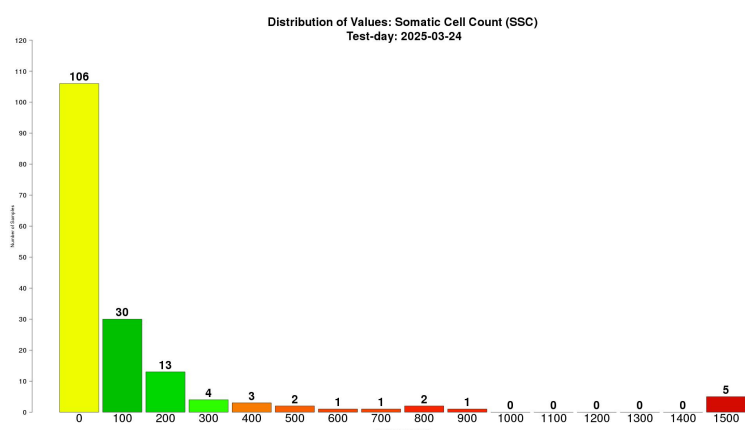


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-03-24)

The graph depicts the number of animals within certain levels of Somatic Cell Counts (SCC). If the cows with SCCs higher than 600 000 can be identified early, they can be treated or even culled from the herd, preventing economic losses due to penalties paid for high SCCs in the milk.

Table 7: Somatic Cell Count (SSC) distribution and Milk Loss Monitor 2025-03-24

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	106	30	20	4	3	5
% Cows	63.1 %	17.9 %	11.9 %	2.4 %	1.8 %	3.0 %
Milk Quality	Excellent	Very Good	Needs Improvement	Poor	Serious	BAD
% Milk Loss	< 2 %	2 - 4 %	4 - 8 %	8 - 10 %	10 - 35 %	> 35 %
% Quarters Infected	< 1 %	1 - 6 %	6 - 16 %	16 - 26 %	26 - 48 %	> 48 %

The average Somatic Cell Count (SCC) on 2025-03-24 for the herd, was 233 000. This figure places the herd in the "Yellow" SCC Zone and the milk quality Needs Improvement. Milk loss due to SCC is between 4 and 8 %.

Udder Health: Mastitis infections are evident and needs slight improvement. Check all management and control measures.

Table 8: Cows Under Pressure (SCC > 500k and Lactose % < 4.6)

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
23176	JEAN LAWSON 273	7458	3.93	22	1	11.9
21792	WILAMENA GISLEV 290	3289	4.49	272	1	17
22723	IDILLIC LAWSON 908	2862	3.72	113	1	16.4
22306	SALETTE TROOPER 287	2806	4.41	255	1	13
22605	MIMAH JOJO 550	957	4.52	228	1	13.4
21270	PETRO JEM 370	874	4.25	195	2	14.9
22441	SNOWQUEEN JOJO 473	831	4.55	222	1	13.6
22198	WILMA POPEYE 561	702	4.23	247	1	13.4
22438	NOON PARKER 308	678	3.99	227	1	7.4
21727	PET LANDO 498	582	4.55	157	2	15.6

Table 9: Cows with Somatic Cell Counts > 200k (Status: N=New -, C=Chronic -, R=Recurring - and CR=Chronic and Recurring Infections)

Cow ID	Name	SCC 2025-03-24	SCC 2025-01-27	SCC 2024-12-11	Production	DIM	Parity	Status
23176	JEAN LAWSON 273	7458	-	-	11.9	22	1	N
21792	WILAMENA GISLEV 290	3289	3166	68	17	272	1	N
22723	IDILLIC LAWSON 908	2862	33	32	16.4	113	1	N
22306	SALETTE TROOPER 287	2806	-	34	13	255	1	N
22301	TRIXIE TROOPER 230	2262	-	-	15.4	9	1	N
22605	MIMAH JOJO 550	957	351	66	13.4	228	1	N
21270	PETRO JEM 370	874	1096	9	14.9	195	2	N
22441	SNOWQUEEN JOJO 473	831	1413	410	13.6	222	1	C
22198	WILMA POPEYE 561	702	83	84	13.4	247	1	N
22438	NOON PARKER 308	678	180	104	7.4	227	1	N
21727	PET LANDO 498	582	703	129	15.6	157	2	N
22816	IXIA LUCAN 619	557	-	-	13.9	15	1	N
23644	JACKY PRETENDERS 491	420	-	-	14.6	39	1	N
22568	PENNELOPE LAWSON 765	408	3529	-	10.3	68	1	N
21253	SNOWQUEEN KINGSTON 204	403	28	31	16.8	124	2	N
22210	NOONLIGHT LANDO 268	398	26	15	11.5	282	1	N
22383	MIMAH POPEYE 570	369	119	19	14.3	198	1	N
22089	LADIN POPEYE 350	329	81	8	12.1	306	1	N
22104	LULU POPEYE 768	314	222	62	12.2	295	1	R
21178	LABEL ALVIN 012	291	-	-	20.7	40	2	N
21830	PETRO LALUCIA 355	285	88	24	17.8	332	1	N
22304	JASMINE TROOPER 358	274	30	24	11.3	246	1	N
22254	IDA IANTO 260	262	-	26	11.4	256	1	R
22456	SILVERLEAF COZY 681	250	-	-	14.7	9	1	N
21421	WILMA GISLEV 478	249	130	-	20.7	78	2	N
22680	IDA TROOPER 739	246	156	48	17.3	194	1	N
21813	PENNY ORIOLE 431	246	388	33	11.1	284	1	N
22718	SNOWQUEEN JOJO 759	240	198	-	10.6	85	1	N
22807	ELSA HENK 916	223	280	-	13.6	82	1	N
22338	IDA TROOPER 335	221	131	94	16.1	186	1	N
22655	WILMA JOJO 736	214	1018	659	11.8	156	1	C
22709	WILMA LAWSON 727	204	376	39	13.9	158	1	N

Table 10: Possible Ketosis Cases; Cows under 100 days in milk (Prot. Fat Ratio < 0.68 for Jerseys and < 0.74 for other Breeds)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %	Breed
22738	LILIAN DOMINO 664	16.6	59	1	0.51	JSE
21714	PETRO ORIOLE 782	13.4	77	2	0.53	JSE
22456	SILVERLEAF COZY 681	14.7	9	1	0.55	JSE
22507	JACANA POPEYE 342	10.1	66	1	0.67	JSE
21396	MAID GISLEV 448	21.7	88	2	0.68	JSE

Table 11: Possible Acidosis Cases (Protein % > Butterfat %)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
21693	IDEA HIWE 409	18.7	158	2	1.13
22049	JACANA COZY 277	4.5	275	1	1.07

Table 12: Dry Cows with a Dry Period more than 55 Days

Cow ID	Name	Breed	Last ICP	Avg. ICP	No. ICPs	Days Since Last Calf	Days Open
17895	GLYNTON MOSS 17116	JSE	583	588	2	1036	456
DG 200641	DAZZLE HAMLET 110	JSE	357	357	1	548	400
21863	WILAMENA LANDO 132	JSE	-	-	-	391	372
DG 160223	PETRO LEXICON 307	JSE	454	427	4	678	372
17229	NOEL TARHEEL 163	JSE	458	428	4	470	365
12132	SOLATAIRE ZUMA 111	JSE	347	365	10	398	302
DG 210169	LOUISE CRAZE 286	JSE	364	364	1	386	281
20392	IXIA PRO 554	JSE	369	369	1	646	193
20671	NINA ALVIN 371	JSE	-	-	-	845	141
DG 210154	MOSS WILL 898	JSE	361	361	1	438	120
DG 180733	SNOWQUEEN CHANGE 460	JSE	353	400	3	368	85
21078	WILMA CRAZE 302	JSE	-	-	-	334	64
DG 200692	IXIA COTTAGE 678	JSE	508	508	1	352	64
DG 180542	IDEA HALT 341	JSE	346	358	4	283	64
20755	WILAMENA MERLIN 416	JSE	445	445	1	392	64
DG 170605	LULU BUFFO 447	JSE	351	392	4	422	64
16191	IDA DRAPER 034	JSE	335	438	5	378	57
22169	JACANA JOJO 032	JSE	-	-	-	380	57
DG 190072	SUE QUINTANA 346	JSE	331	404	3	359	57

Table 13: Cows with an active Inter-Calving Period (ICP) > 400 days

Cow ID	Name	Breed	Last ICP	Avg. ICP	No. ICPs	Days Since Last Calf	Production
17895	GLYNTON MOSS 17116	JSE	583	588	2	1036	-
20655	JACANA COTTAGE 756	JSE	-	-	-	861	12.5
20671	NINA ALVIN 371	JSE	-	-	-	845	-
21599	PET LASTER 355	JSE	-	-	-	678	12.8
DG 160223	PETRO LEXICON 307	JSE	454	427	4	678	-
20392	IXIA PRO 554	JSE	369	369	1	646	-
18372	IXIA DEWEY 276	JSE	413	371	3	586	-
DG 210649	MOSS ORIOLE 194	JSE	-	-	-	582	16.9
DG 200641	DAZZLE HAMLET 110	JSE	357	357	1	548	-
DG 190765	PENNELOPE GARANT 362	JSE	352	344	2	537	-
DG 200665	MAGNOLIA ALVIN 060	JSE	392	392	1	508	11.7
DG 210609	WILAMENA LANDO 267	JSE	-	-	-	478	9.7
DG 200520	JASMINE WORLD CUP 339	JSE	507	507	1	476	16.7
17229	NOEL TARHEEL 163	JSE	458	428	4	470	-
DG 210154	MOSS WILL 898	JSE	361	361	1	438	-
DG 160203	SILVER LINDT 228	JSE	333	347	6	435	-
DG 170605	LULU BUFFO 447	JSE	351	392	4	422	-
21112	JACKY ALVIN 130	JSE	424	424	1	401	-