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STUD BOOK

Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

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Test-day: 2025-11-10

Jersey Cows

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HERD HEALTH SUMMARY REPORT

REID - Jersey Cows

Table 1: Summary for Test-day 2025-11-10 (Number of Samples Tested: 71)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 22.1 Median: 21.2		
Butterfat (%)	Avg.: 5.22 Median: 5.17	3.5 % - 6.0 %	Too Low: 0 % Too High: 15 %
Protein (%)	Avg.: 4.09 Median: 4.08	3.0 % - 4.5 %	Too Low: 0 % Too High: 17 %
Lactose (%)	Avg.: 4.45 Median: 4.53	> 4.7 %	Too Low: 72 %
MUN (mg/dl)	Avg.: 16.44 Median: 16.00	8 - 16 mg/dl	Too Low: 0 % Too High: 46 %
SCC (x1000/ml)	Avg.: 404 Median: 230 % < 100 : 32.4 % % < 200 : 49.3 % % < 500 : 73.2 % % > 750 : 14.1 % % > 1 000 : 8.5 % % > 1 500 : 4.2 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 31.6 % Too High: 25.7 % Too High: 18.8 % Too High: 9.3 % Too High: 7.5 % Too High: 4.2 %
Butterfat Protein ratio	Average: 1.3	> 1.0	Too High: 0.0 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-11-10

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	115.1 (7.3 %)	1st Lact Cows:	375/75 (10)
DIM (kg per day):	685.2 (43.7 %)	2nd Lact Cows:	172/110 (12)
		3rd Lact Cows:	318/215 (18)
No. of Cows Under Pressure:	18 (25.4 %)	4th Lact Cows:	464/455 (12)
No. Cows with SCC > 200k:	36 (50.7 %)	5th Lact Cows:	558/305 (4)
No. Cows with SCC > 750k:	10 (14.1 %)	6+ Lact Cows:	625/500 (15)
No. New Infections:	13 (18.3 %)		
No. Recurring Infections:	16 (22.5 %)	Avg. SCC for SCC > 750k (n):	1382 (10)
Cure Rate for SCC > 200k:	10.5 % (2)		
Cure Rate for SCC > 750k:	0.0 % (0)	Avg. Days In Milk (DIM) for Herd:	299
No. Chronic Infections (SCC > 200k):	9 (12.7 %)	Median of DIM for Herd:	262
No. Chronic Infections (SCC > 750k):	1 (1.4 %)		
		Avg. DIM for SCC < 200k (n):	244 (35)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 200k and < 750k (n):	359 (26)
No. of Possible Acidosis Cases:	0	Avg. DIM for SCC > 750k (n):	334 (10)
Avg. Age at First Calf (Months):	24	Avg. Parity for Herd:	4
Avg. Inter-Calf Period (Days):	455	Avg. Parity for SCC < 200k:	3
No. Flushings:	NA	Avg. Parity for SCC > 200k and < 750k:	4
No. Embrios:	NA	Avg. Parity for SCC > 750k:	5

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	22.1	5.22	4.09	4.45	404	16.44
Top 25%	28.4	5.93	4.24	4.73	34	14.40
Breed Avg	23.8	5.28	3.96	4.58	245	11.52
Bottom 25%	18.4	4.69	3.69	4.47	188	8.40

*** 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 71 Jersey Cows

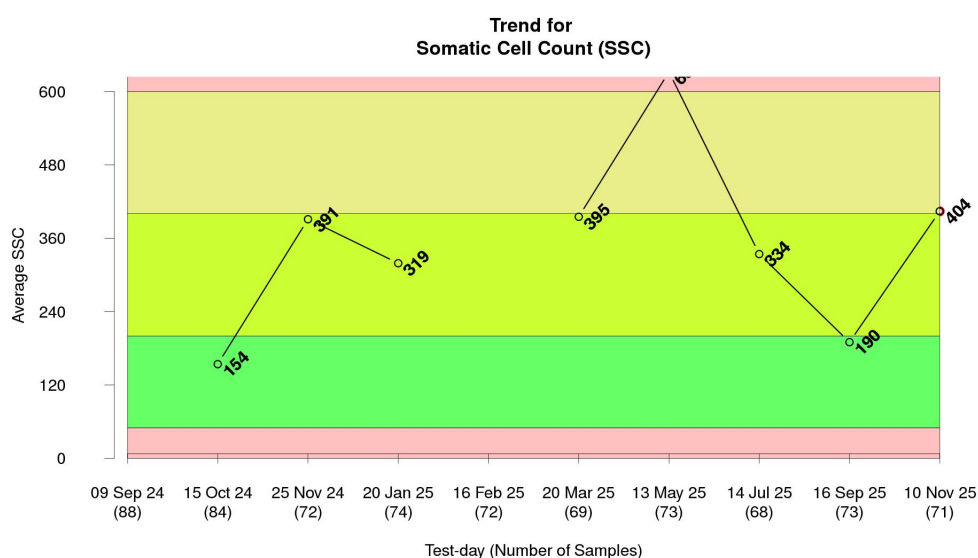
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	14.1% (10)	1.4% (1)	2.8% (2)	9.9% (7)	2.8% (2)	1.4% (1)
2	16.9% (12)	0.0% (0)	4.2% (3)	12.7% (9)	2.8% (2)	0.0% (0)
3	25.4% (18)	1.4% (1)	7.0% (5)	16.9% (12)	12.7% (9)	1.4% (1)
4	16.9% (12)	0.0% (0)	4.2% (3)	12.7% (9)	11.3% (8)	4.2% (3)
5	5.6% (4)	0.0% (0)	2.8% (2)	2.8% (2)	2.8% (2)	1.4% (1)
6+	21.1% (15)	0.0% (0)	7.0% (5)	14.1% (10)	18.3% (13)	5.6% (4)
Herd	100% (71)	2.8% (2)	28% (20)	69.1% (49)	50.7% (36)	14% (10)

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 71 Jersey Cows

Lactation Group	Early Lactation		Mid Lactation		Late Lactation	
	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k
1	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	28.6% (2)	14.3% (1)
2	0% (0)	0% (0)	0.0% (0)	0.0% (0)	22.2% (2)	0.0% (0)
3	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	75.0% (9)	8.3% (1)
4	0% (0)	0% (0)	33.3% (1)	33.3% (1)	77.8% (7)	22.2% (2)
5	0% (0)	0% (0)	0.0% (0)	0.0% (0)	100.0% (2)	50.0% (1)
6+	0% (0)	0% (0)	80.0% (4)	20.0% (1)	90.0% (9)	30.0% (3)

Table 6: Bulk Tank Results for 2025-11-10 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	5.11	4.04	4.52	347	17	

**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.

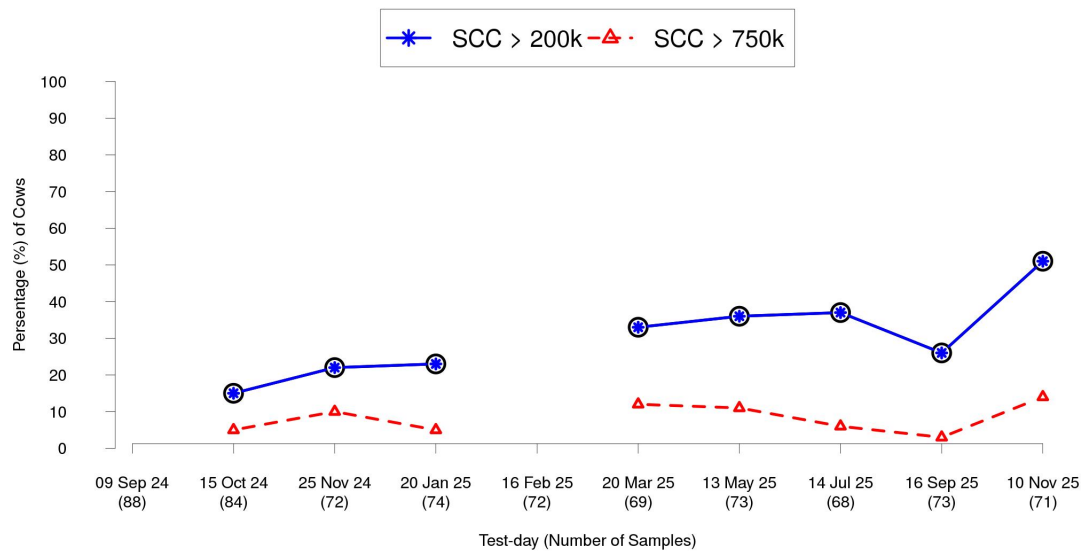


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

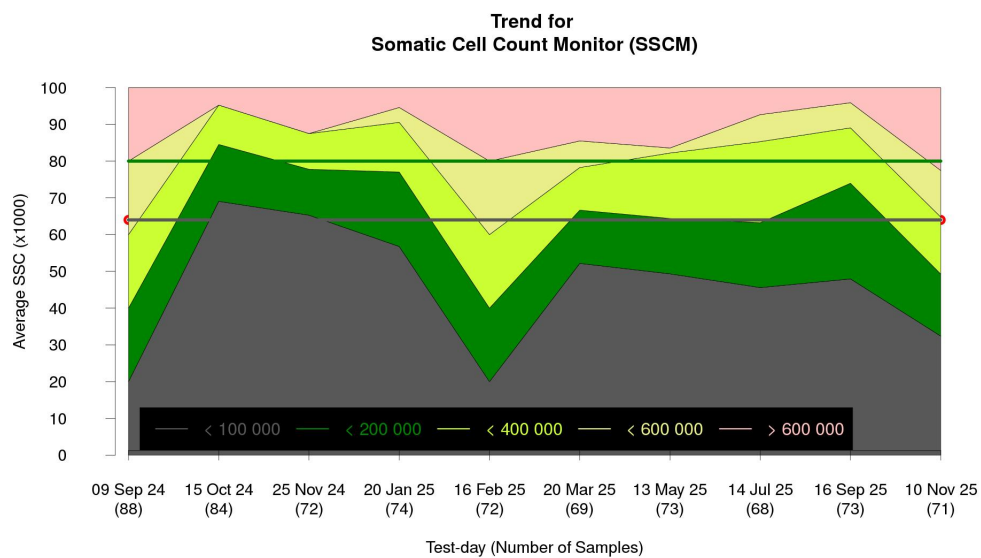


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

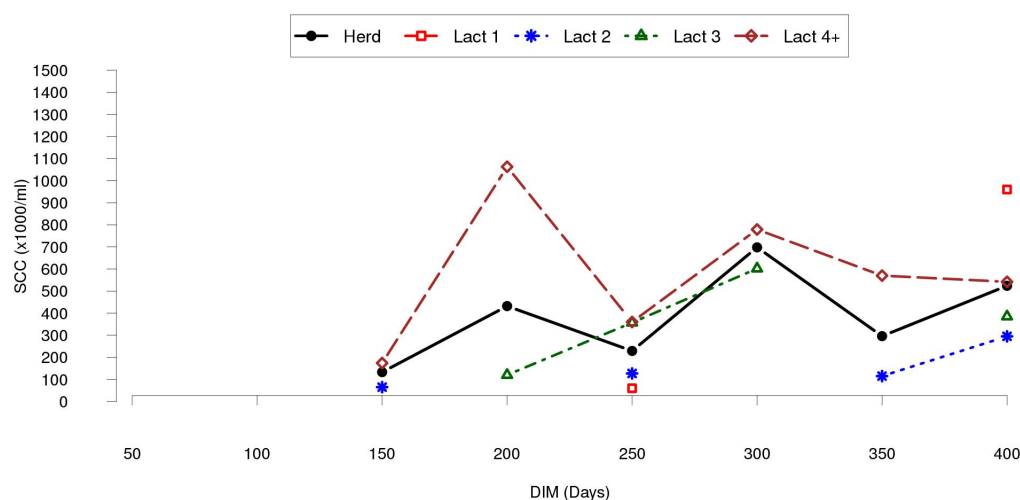


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

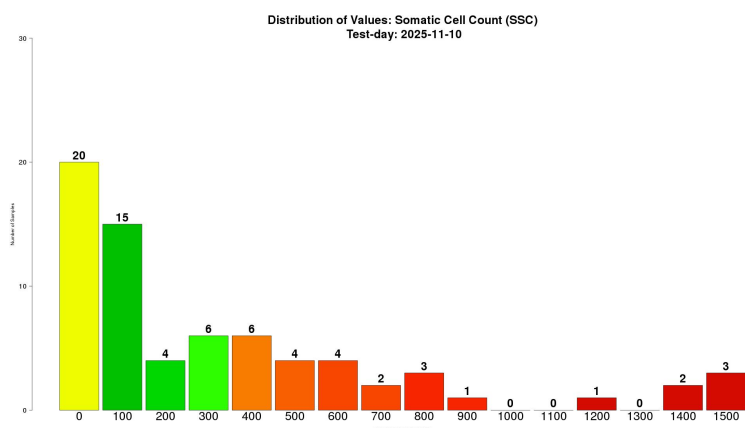


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-11-10)

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 2025-11-10

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	20	15	16	10	7	3
% Cows	28.2 %	21.1 %	22.5 %	14.1 %	9.9 %	4.2 %
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 2025-11-10 for the herd, was 404 000. 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
2256	PUTT 210	2640	4.59	514	1	22.8
1519	DOT 5	2010	4.50	178	8	18.8
1803	HYKA 2	1600	3.00	293	5	5
2109	ROMA 99	1440	3.46	257	3	12
1741	PUTT 22	1430	3.83	266	6	18.8
1942	ROMA 4	1250	4.41	463	4	13.2
1651	PUTT 7	950	3.94	350	6	19.4
1958	ROMA 12	850	4.51	186	4	26.4
1938	MIST 4	830	3.88	556	4	7.8
1510	ZEN 17	820	3.45	272	8	19.6
2042	PUTT 76	720	4.01	444	3	14.4
1521	JESS 1	640	4.20	517	7	10.6
2017	XF 1 ROMA 51	630	3.60	602	3	9.4
1948	HULA 1	620	3.67	441	4	9.4
1418	HEK 1	620	4.35	706	6	18
1825	HYKA 10	580	4.27	149	6	23.8
1957	ROMA 11	520	4.44	297	4	29
1708	NOOK 3	500	4.00	256	6	19.6

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 2025-11-10	SCC 2025-09-16	SCC 2025-07-14	Production	DIM	Parity	Status
2256	PUTT 210	2640	-	97	22.8	514	1	R
1519	DOT 5	2010	2125	6814	18.8	178	8	C
1803	HYKA 2	1600	50	32	5	293	5	N
2109	ROMA 99	1440	225	151	12	257	3	N
1741	PUTT 22	1430	176	1308	18.8	266	6	R
1942	ROMA 4	1250	1213	129	13.2	463	4	N
1651	PUTT 7	950	75	1095	19.4	350	6	R
1958	ROMA 12	850	319	182	26.4	186	4	N
1938	MIST 4	830	390	237	7.8	556	4	CR
1510	ZEN 17	820	151	313	19.6	272	8	R
2042	PUTT 76	720	315	371	14.4	444	3	C
1951	ROMA 8	700	-	191	32.4	454	2	R
1521	JESS 1	640	507	440	10.6	517	7	C
2017	XF 1 ROMA 51	630	403	340	9.4	602	3	CR
1418	HEK 1	620	-	452	18	706	6	N
1948	HULA 1	620	118	130	9.4	441	4	N
1825	HYKA 10	580	441	56	23.8	149	6	N
1957	ROMA 11	520	341	451	29	297	4	C
2334	CORA 251	510	130	166	16.8	287	1	R
1708	NOOK 3	500	138	105	19.6	256	6	R
2134	GLOSS 122	490	471	3160	17.4	219	3	C
1813	ASH 3	470	35	22	24.8	268	5	R
1847	VIOLA 4	460	131	127	16.8	541	4	N
1925	OVI 16	450	41	28	25.4	236	4	N
1536	CHILI CADDY 1	410	71	48	27	316	8	N
1921	OVI 12	400	-	-	34	930	2	R
2107	HYKA 97	350	74	247	19.4	262	3	R
1914	HYKA 14	350	301	205	19.8	346	4	C
1726	NOOK 4	340	140	-	31.8	101	6	N
2112	GLOSS 102	340	41	38	19.2	278	3	N
2048	VIOLA 82	330	152	240	21.2	204	3	R
1628	LARIO 8	330	130	698	26.6	177	7	R
1961	ROMA 14	280	96	56	20.8	256	3	N
1653	PUTT 9	270	82	50	21	223	6	R
2106	AMY 96	250	208	201	23.4	233	3	C
1643	PUTT 4	230	73	110	19	601	6	R

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

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
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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
NEU 140003	ZEN 8	JSE	424	425	6	968	397
NEU 170001	PUTT 10	JSE	402	848	2	829	361
NEU 150033	DOT 9	JSE	351	439	5	681	320
2223	PUTT 177	JSE	-	-	-	586	264
NEU 200028	OVI 62	JSE	459	418	2	535	237
NEU 210045	DASH 133	JSE	487	487	1	292	237
1414	ZEN 10	JSE	477	412	7	538	205
1746	NOOK 12	JSE	425	831	2	599	205
NEU 230023	JOJO 240	JSE	-	-	-	470	205
1830	ASH 6	JSE	434	446	3	566	205

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
2123	DASH 111	JSE	-	-	-	1034	-
NEU 140003	ZEN 8	JSE	424	425	6	968	-
NEU 190021	OVI 12	JSE	763	763	1	929	34
NEU 170001	PUTT 10	JSE	402	848	2	829	-
1418	HEK 1	JSE	937	656	4	705	18
NEU 150033	DOT 9	JSE	351	439	5	681	-
2017	XF 1 ROMA 51	JSE	-	-	-	601	9.4
1746	NOOK 12	JSE	425	831	2	599	-
1643	PUTT 4	JSE	579	677	3	599	19
1322	ZEN 4	JSE	453	523	6	588	-
2223	PUTT 177	JSE	-	-	-	586	-
1830	ASH 6	JSE	434	446	3	566	-
1938	MIST 4	JSE	392	383	3	554	7.8
1324	ZEN 6	JSE	469	441	7	548	21
1754	HUSK 6	JSE	395	445	4	541	-
1847	VIOLA 4	JSE	786	680	2	539	16.8
1414	ZEN 10	JSE	477	412	7	538	-
NEU 200028	OVI 62	JSE	459	418	2	535	-
1410	HOLM 2	JSE	459	483	6	516	-
1521	JESS 1	JSE	465	413	6	516	10.6
2256	PUTT 210	JSE	-	-	-	512	22.8
NEU 160017	LARIO 3	JSE	481	564	4	502	-
1944	CILA 8	JSE	377	380	3	497	32.2
NEU 200027	PUTT 61	JSE	364	434	2	483	-
NEU 170004	LUPIN 6	JSE	491	413	5	481	-
NEU 230023	JOJO 240	JSE	-	-	-	470	-
NEU 190042	ROMA 4	JSE	369	392	3	462	13.2
NEU 190051	ROMA 8	JSE	573	573	1	453	32.4
1949	HYKA 17	JSE	390	563	2	452	32
NEU 190067	ROMA 18	JSE	464	508	2	449	-
NEU 210039	SOON 127	JSE	408	408	1	446	25.2
NEU 130004	MAYO 3	JSE	580	503	7	444	-
NEU 200042	PUTT 76	JSE	395	397	2	443	14.4
1948	HULA 1	JSE	386	384	3	440	9.4
NEU 180008	CADDY 17	JSE	551	560	3	438	-
NEU 220039	OBAN 193	JSE	-	-	-	433	-
NEU 210063	NESS 151	JSE	356	356	1	432	24.4