



Sykes, Lighter & Smarter

1966 - 1974



50 YEAR TIMELINE

Jeff Sykes designs a new revolutionary scull in his quest to become an Australian Sculling Champion.

1966

1967

Sykes Pair used at Mexico Olympic Games

Jeff Sykes and Associates manufacture their first eight

1968

1970

Jeff Sykes and Associates starts manufacture of fibreglass hulls

Jeff Sykes and Associates designs the 'Aussie Rail'

1971

1974

Sykes first World Championship Gold Medal



1975 - 1990



Sykes moves to premises in Riversdale Road, Newtown

1975

1980

'Trend 80'
First rowing boat monocoque construction

Jeff Sykes and Associates introduce Dreissagacker Oars to Australia

1981

1985

Jeff Sykes and Associates starts experimenting with sandwich construction

Jeff Sykes and Associates introduces Australia to the Concept2 Indoor Rower

1986

1989

Jeff Sykes and Associates begins manufacturing composite rowing shells

The last timber Sykes boat is manufactured

1990



1990 - 2000



1992

Jeff Sykes and Associates First Olympic Gold Medal

Sykes expands into the Japanese Market

1992

1994

Jeff Sykes and Associates produces the first wing rigger

Sykes best olympics: 1 gold, 1 silver and 2 bronze

1996

1996

Sykes expands into the US Market

Tomkins and Ginn win Gold at the Athens Olympics in a Sykes Mould 23

2004

2005

Sykes expands into the UK Market



2000 - PRESENT



Free and Ginn win Gold at Beijing Olympics in Sykes Mould 23



2008

2009



Sykes moves to new Breakwater Factory

Precision manufacturing is extended by the introduction of a computer controlled router system. A new dedicated Repair facility opens.



2010

2012



Sykes installs a new CNC machine

Sykes introduces Australian designed GoPro camera mount



2014

2014



Sykes adds Paste Extrusion Machine to CNC installation

Jeff Sykes and Associates celebrates 50 years of manufacturing excellence

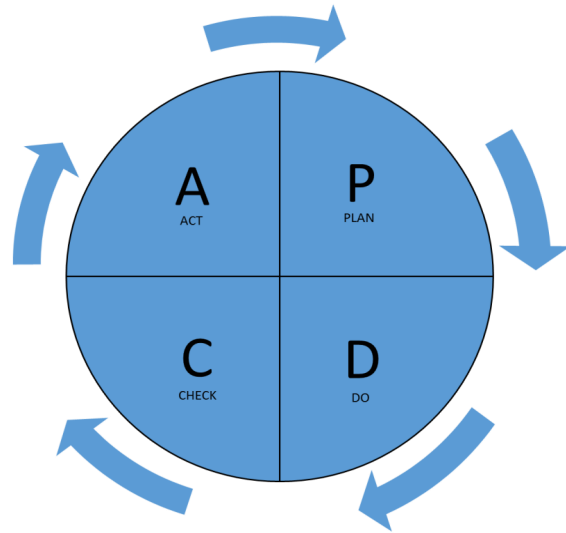


2016

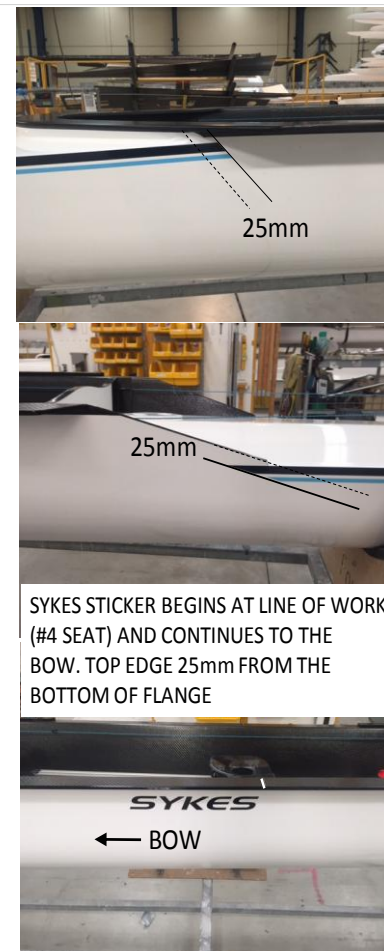







Daily Tool Box Meetings

- Aim for Real Time Continuous Improvement
- Lean Manufacturing Principles applied at tool box meetings.
 - Continuous Improvement - Respect for People
- Tool Box Meetings Highlight Issues from the following headings:
SAFETY – QUALITY – DELIVERY - TIME - 5S



- The Tools used for gathering the relevant information required for each tool box meeting are as follows:
- STANDARD WORK SHEETS
- Each boat built has its own dedicated Standard Work Sheet.
- Times and Fitout adjusted to Customer Order.

# Boat No		6595		Bow Coxed Wing Four or Quad continuous flange (glued on)			Date		Builders Name:-				
Site:	Tucker Street	Std Work Sheet No:	8 ~ 9	Date:	10/01/2014	Page:	8	Takt Time:	480 Minutes	Customer Name			
Work Station:	Workstation 7	Process Description:	Bow Coxed Four Assembly Day 8			Time Observations (Mould Number / Product)			HUNTER VALLEY GS				
Step No.	WORK STEPS						Key			Work Sequence Layout			
1	Move from Bay 6 to Bay 7						+	5					
2	Fit White end deck tapes							60					
3	Fit Bow Ball							30					
4	Fit Bow Number Holder							10					
5	Fit Step In Tape							20					
6	Fit two "SYKES " Stickers							10					
7	Fit Kangaroo stickers							10					
8	Fit & Glue Fin							20					
9	Fit Rudder						Q	20					
10	Fit Coxswains Steering tiller (thread locker on bolts)						▼	30					
11	Fit Steering wire cable holders							30					
12	Fit Steering cable and all steering parts							60	60 150				
13	Fit Impellar Sticker							10					
14	Pin stripe around coaming							10					
15	Fit coloured pin striping						Q	80	120 60				
16	Fit Name and / or 50th Anniversary stickers							20	20				
17	Complete Daily Paperwork							5					
18	Cleanup Bay to the 5s standard , replace tools etc						▼	5					
KEY:								Totals					
Safety  Quality Check  Delta Critical  Technique  In-Process Stock 								425		210	210	0	0

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- INSPECTION AUDIT CARDS.
- Audit cards are used to record any issues raised at the Toolbox Meeting, in relation to the five headings.
- Safety, Quality, Time, Delivery, 5s
- Each one has its own colour.
- Filled in after meeting, with follow up if required.



<p>SAFETY</p> <p>WHAT</p> <p>WHEN</p> <p>ROOT CAUSE (5Y's)</p> <p>WHO?</p>	<p>TIME</p> <p>BOAT#</p> <p>BAY</p> <p>WHEN</p> <p>MOULD#</p> <p>HRS UNDER</p> <p>WHO?</p>
<p>QUALITY</p> <p>WHAT</p> <p>WHEN</p> <p>ROOT CAUSE (5Y's)</p> <p>WHO?</p>	<p>Suggested fixes</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p>
<p>DELIVERY</p> <p>WHEN</p> <p>WAS THERE A BOAT READY FOR FINAL INSPECTION?</p> <p>IF YES WHY WAS IT NOT BAGGED?</p>	<p>TIME</p> <p>BOAT#</p> <p>BAY</p> <p>WHEN</p> <p>MOULD#</p> <p>HRS OVER</p> <p>WHO?</p> <p>ROOT CAUSE (5Y's)</p>

PLAN.

- Use Audit Cards to Highlight Problems and Issues.
- Discuss Problems and possible Solutions with Group
- Select best Solution.

DO.

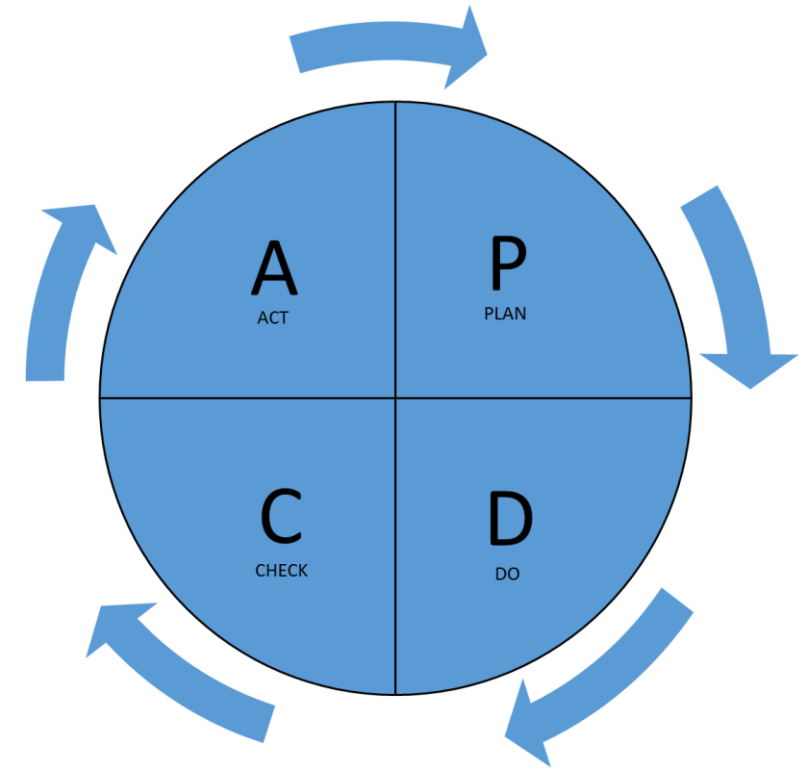
- Write up Action Plan with Date & Person Responsible.
- Implement Plan.

CHECK

- Monitor Success of Trial - 6 Week Period
- Record in Production Changes Sheet.
- Reminder of Changes on a weekly basis.

ACT

- Standardise (Q.A Wedge)
- Solution/fix moved into Standard Work



- This is Lean Continuous Improvement on a daily Basis.

Daily audit cards result in:

- Quality issues raised from the in-line Inspection Gates.
- Production Standard Work Sheets updated regularly resulting in relevant information being on hand when required.
- Photos and diagrams updated when required.
- New procedures added when required.






New Standard Repair Work Initiative. June 2015.

- STANDARD REPAIR WORK
- Assemble small experienced work Team.
- 1. Work on all repairs.
- 2. Gather times.
- 3. Gather Best Practice / Best Method
- 4. Identify common Repairs
- 5. Include times and method in Standard Work Sheets.
- 6. Train other team members into Best Practice Repair Methods.

STANDARD REPAIR WORK

- Recognise some production problems are unavoidable. i.e. Mould Marks.
- Work with the issues to reduce the repair times.
- Not cost effective to replace moulds.
- Find and implement the Best Methods.

• Production Standard Repair Sheet

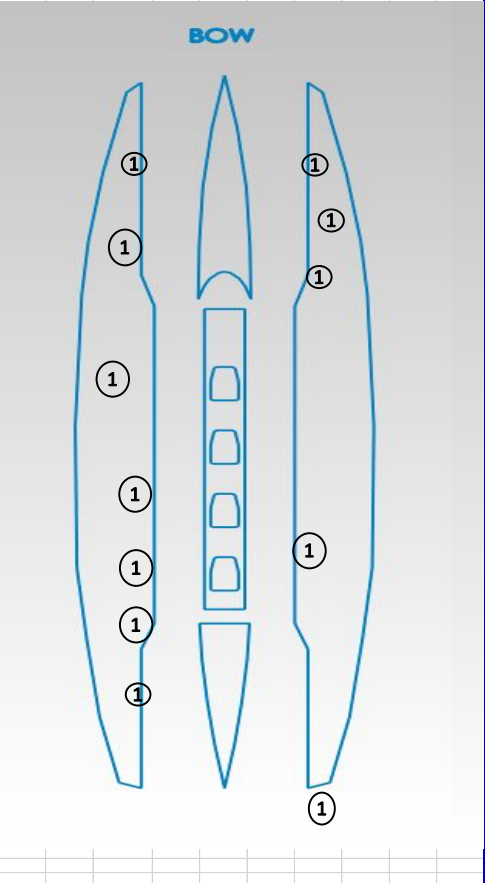
# Boat No		6618		Mould 09 COXLESS 4 - Tab monos			Date	
Site:	Tucker Street	Std Work Sheet No:	6~ 9	Date:	0/01/1900	Page:	1	Takt Time:
				480 Minutes				
Work Station:	REWORK AREA	Process Description:	Mould 9 rework period			Time Observations		
Step No.	WORK STEPS							
1	Mould marks / wet rub and buff			120	75	120		
2	Dull gelcoat / buff entire hull			90	90	30		
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	PRE FITOUT INSPECTION			20				
KEY: Safety  Quality Check  Delta Critical  Technique  In-Process 				Totals		230	165	150

1

ERROR

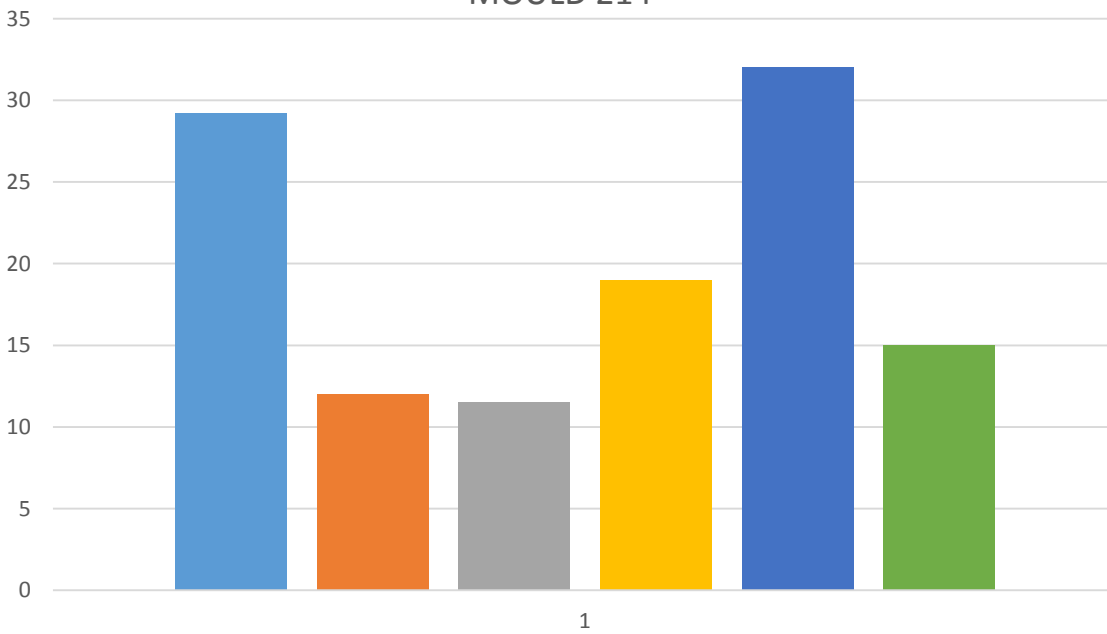
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REPAIRED ERROR



Non Standardised Rework

MOULD 214



Standardised Rework

MOULD 214

