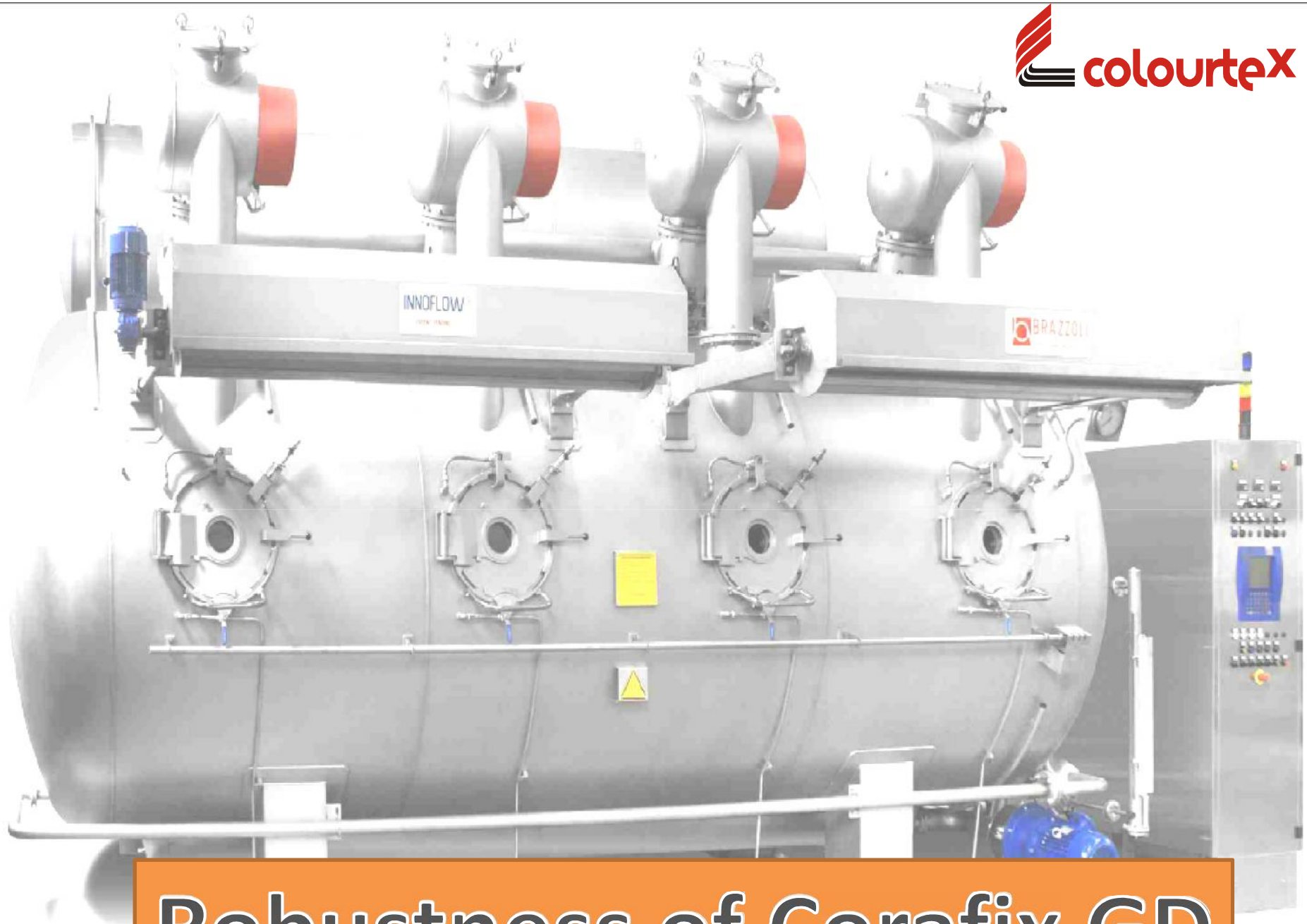


Robustness of Corafix GD

Robustness of Reactive dyestuff

- Robustness of Reactive dyestuff in exhaust dyeing is checked by following parameters

[1] Salt content variation

[2] M:L ratio variation

[3] Dyeing temperature variation

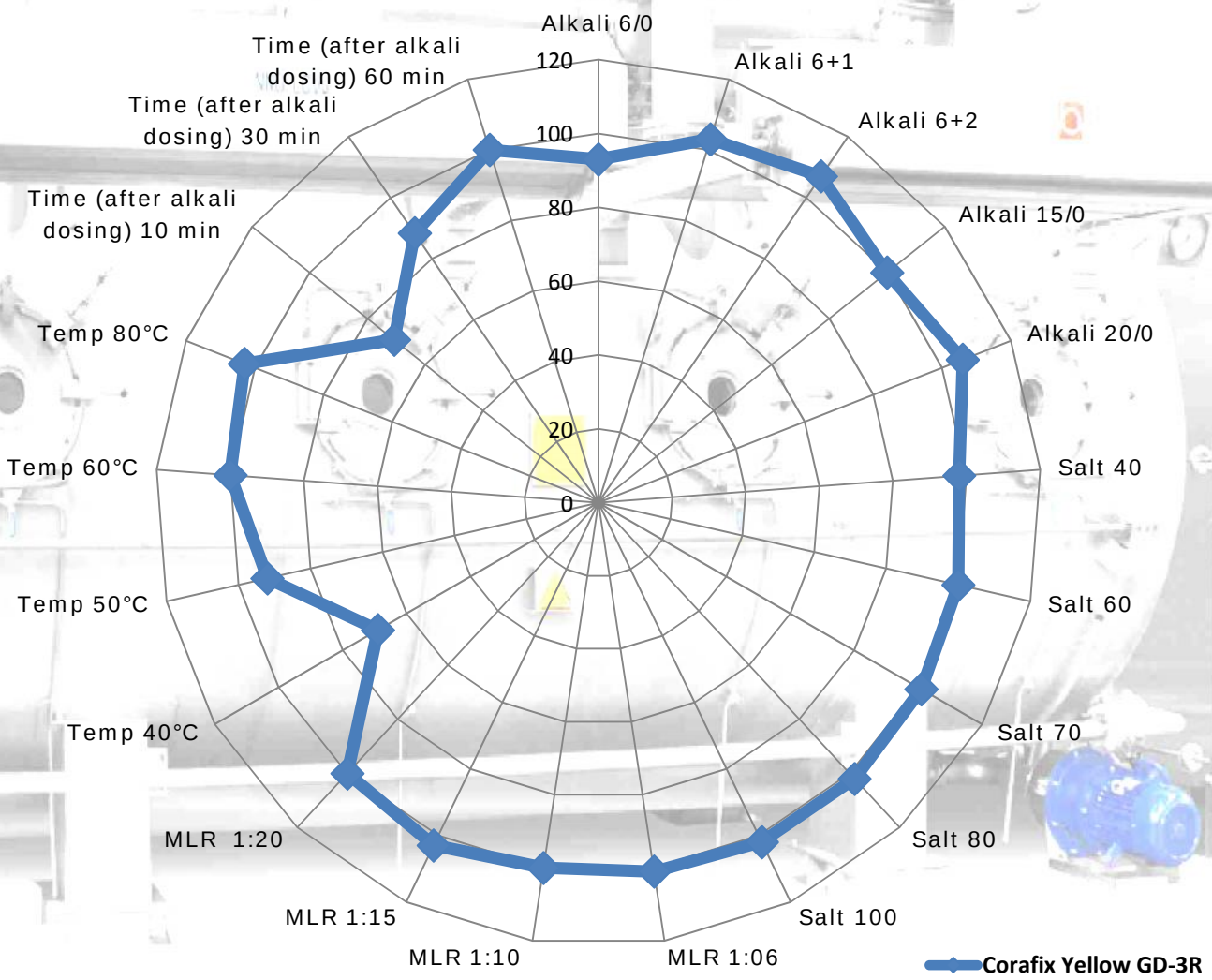
[4] Alkali system and its variation

[5] Variation of holding time after addition of alkali.

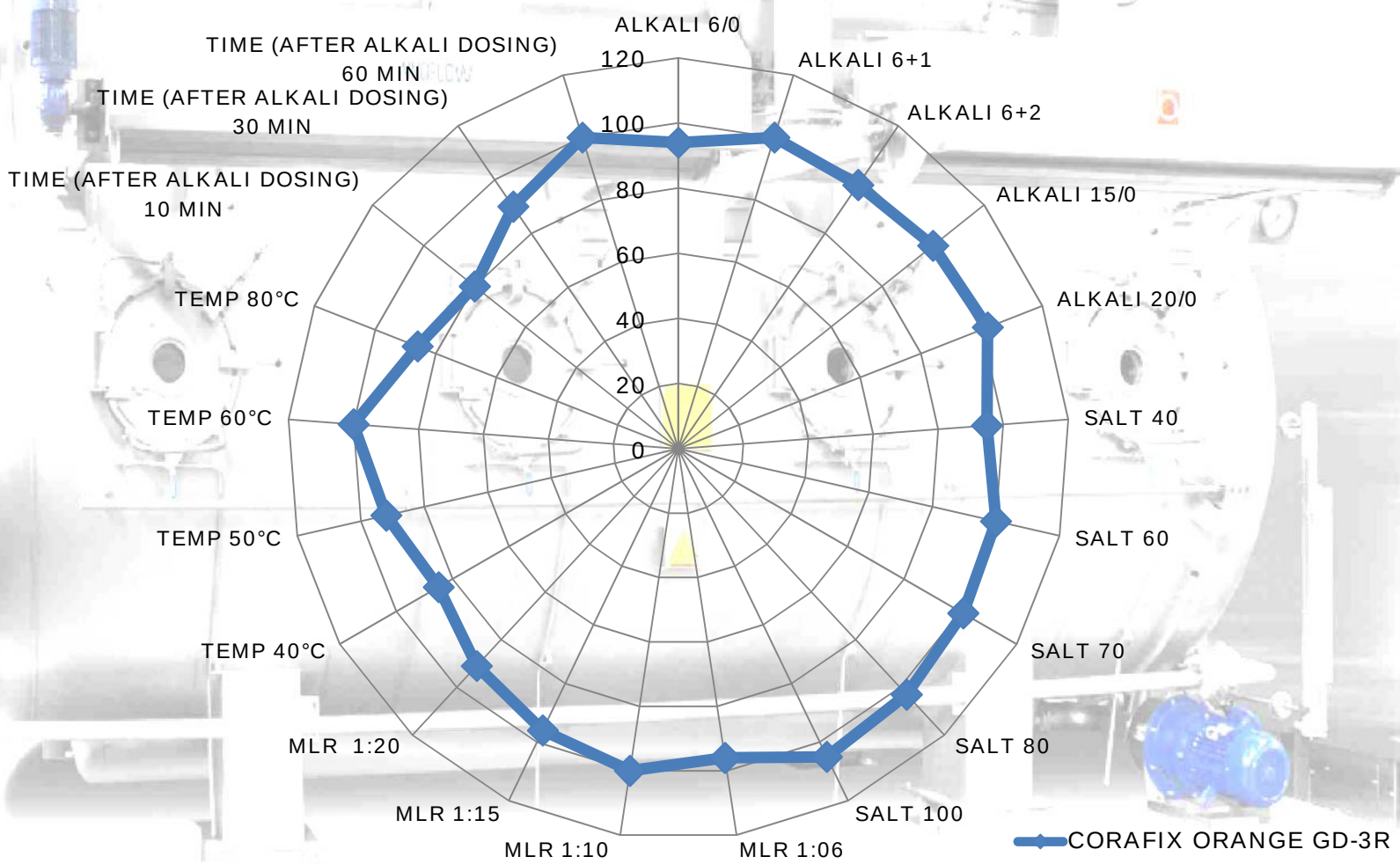
Parameters of study

Parameter of exhaust dyeing	Option 1	Option 2	Option 3	Option 4	Option 5
Salt content	40 gpl	60 gpl (considered std.)	70 gpl	80 gpl	100 gpl
M:L ratio	1:6	1:10 (considered std.)	1:15	1:20	
Dyeing temperature	40*C	50*C	60*C (considered std.)	80*C	
Alkali system variation	6 gpl soda ash + 0 ml/lit caustic (50%)	6 gpl soda ash + 1 ml/lit caustic (50%)	6 gpl soda ash + 2 ml/lit caustic (50%)	15 gpl soda ash (cosidered std.)	20 gpl soda ash
Hold time of dyeing (after alkali addn.)	10 min	30 min.	60 min. (considered std.)		

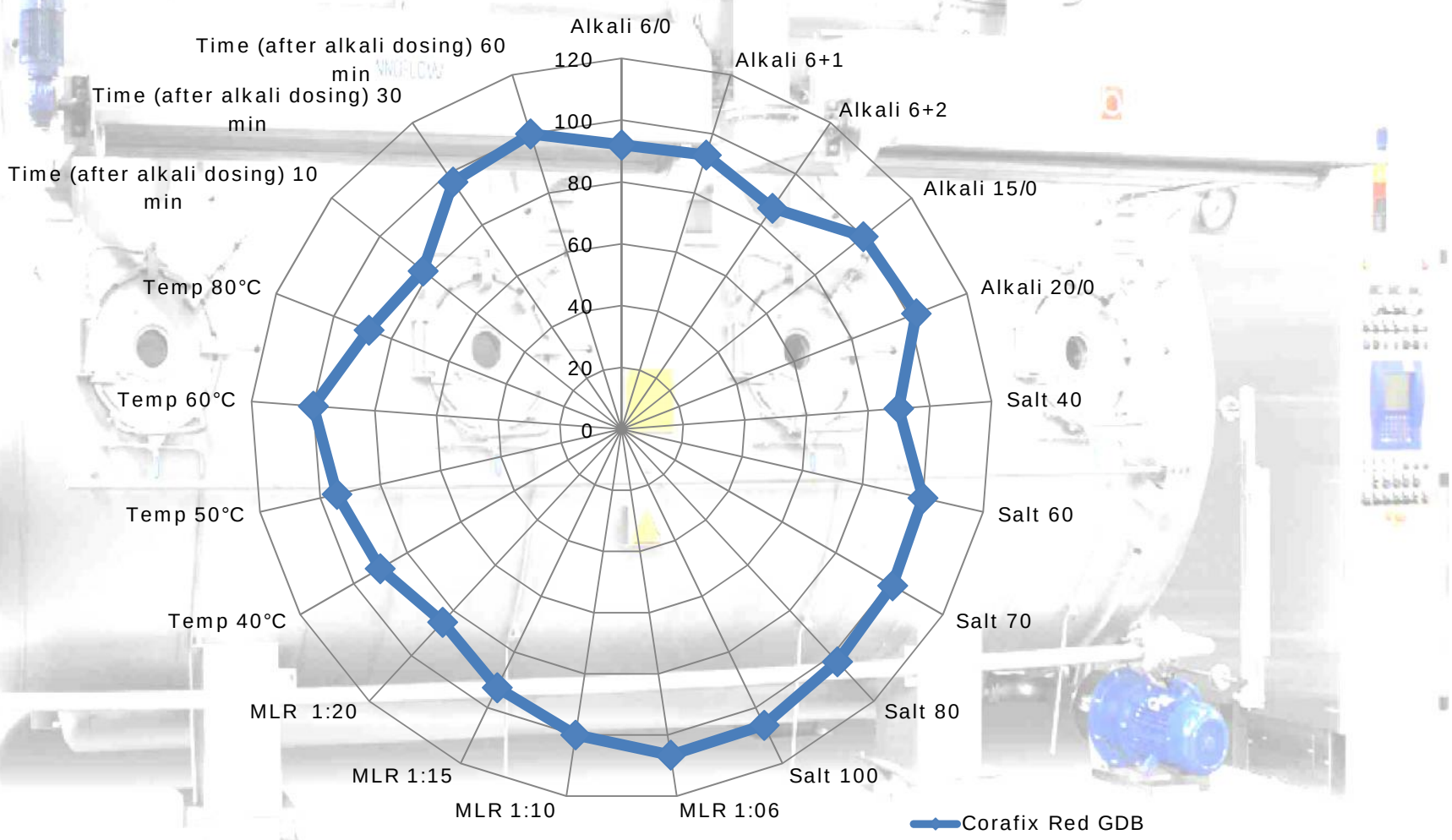
Robustness study of Corafix GD-Exhaust dyeing
Corafix Yellow GD-3R



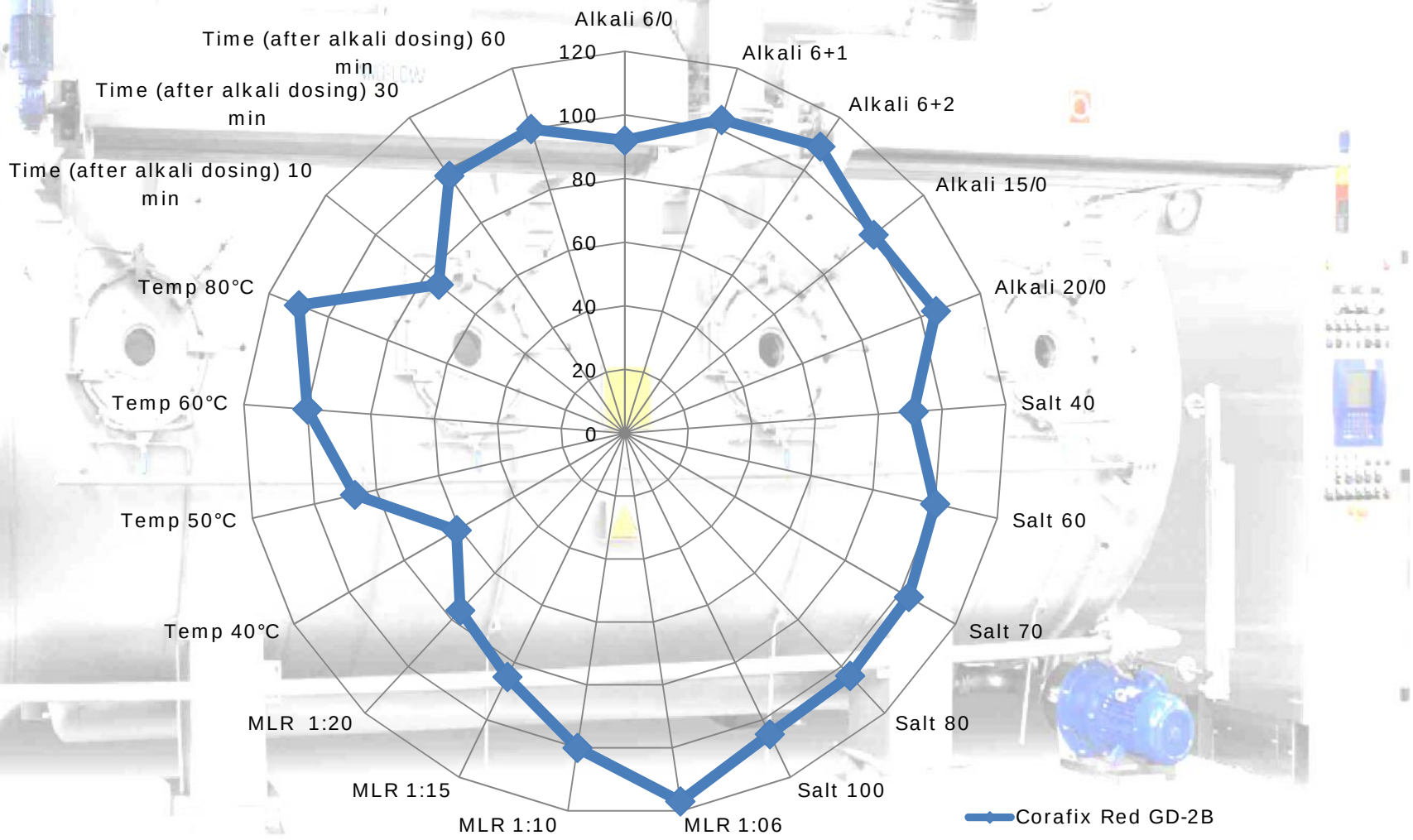
Robustness study of Corafix GD-Exhaust dyeing
Corafix Orange GD-3R



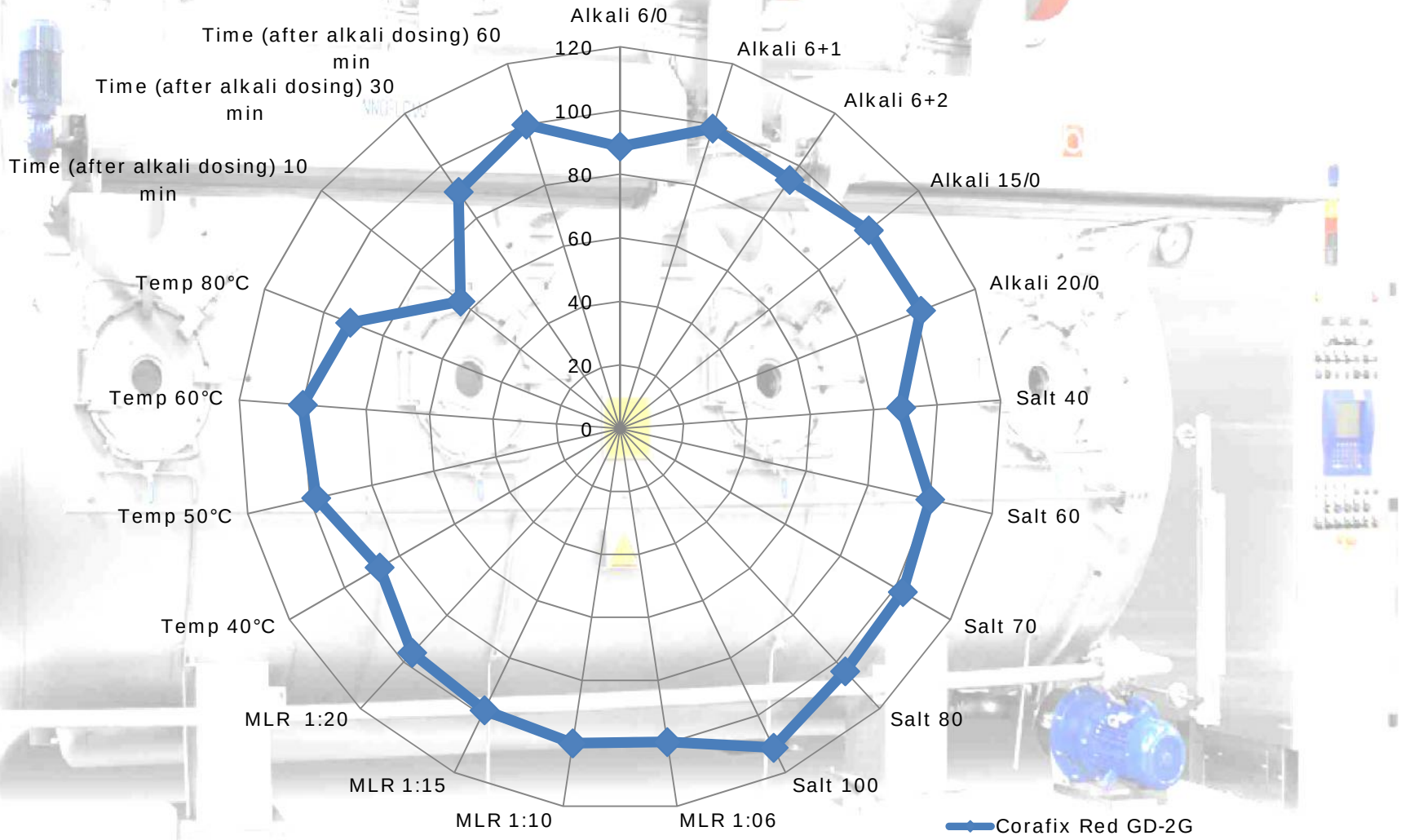
Robustness study of Corafix GD-Exhaust dyeing
Corafix Red GDB



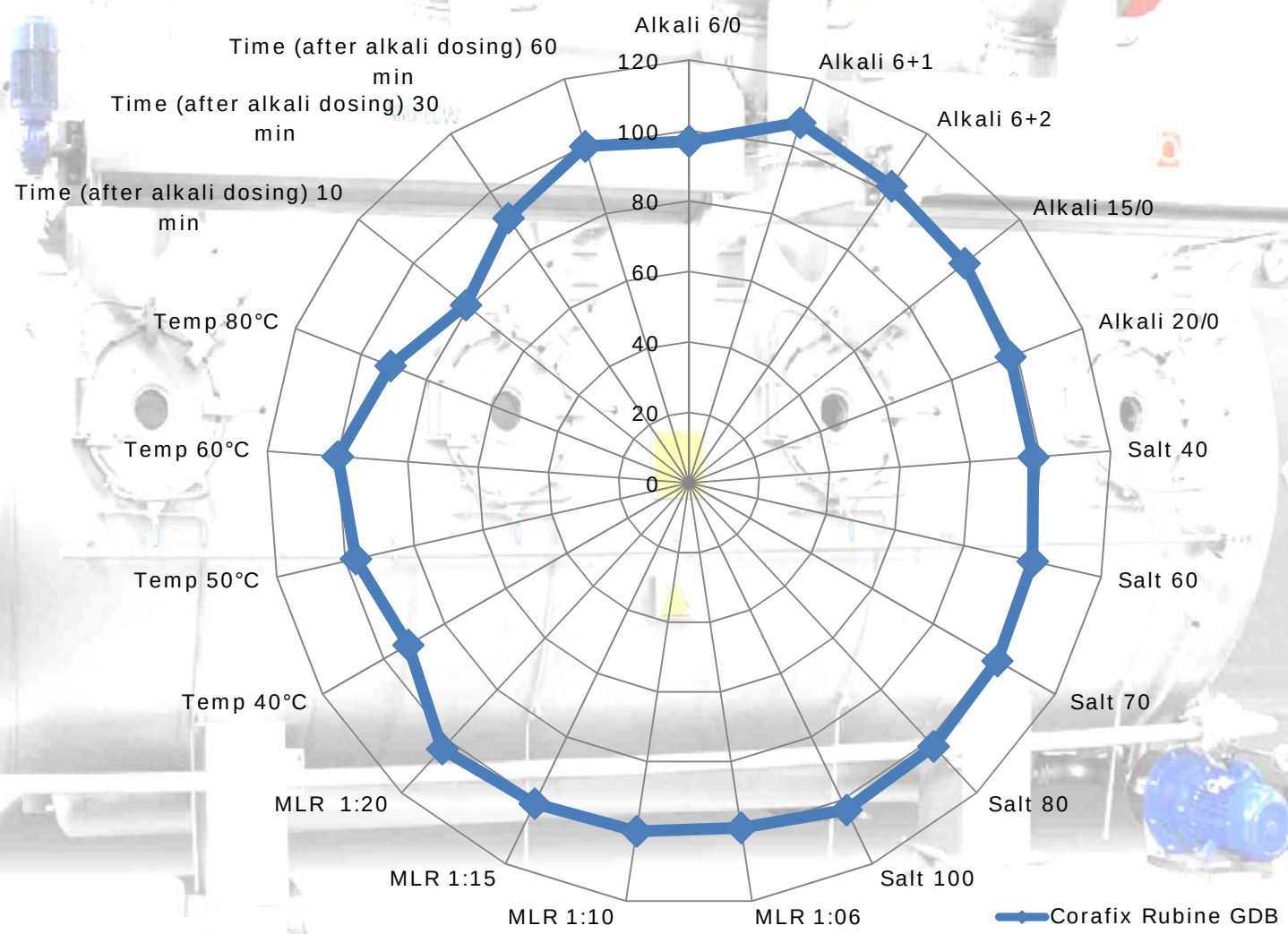
Robustness study of Corafix GD-Exhaust dyeing
Corafix Red GD-2B



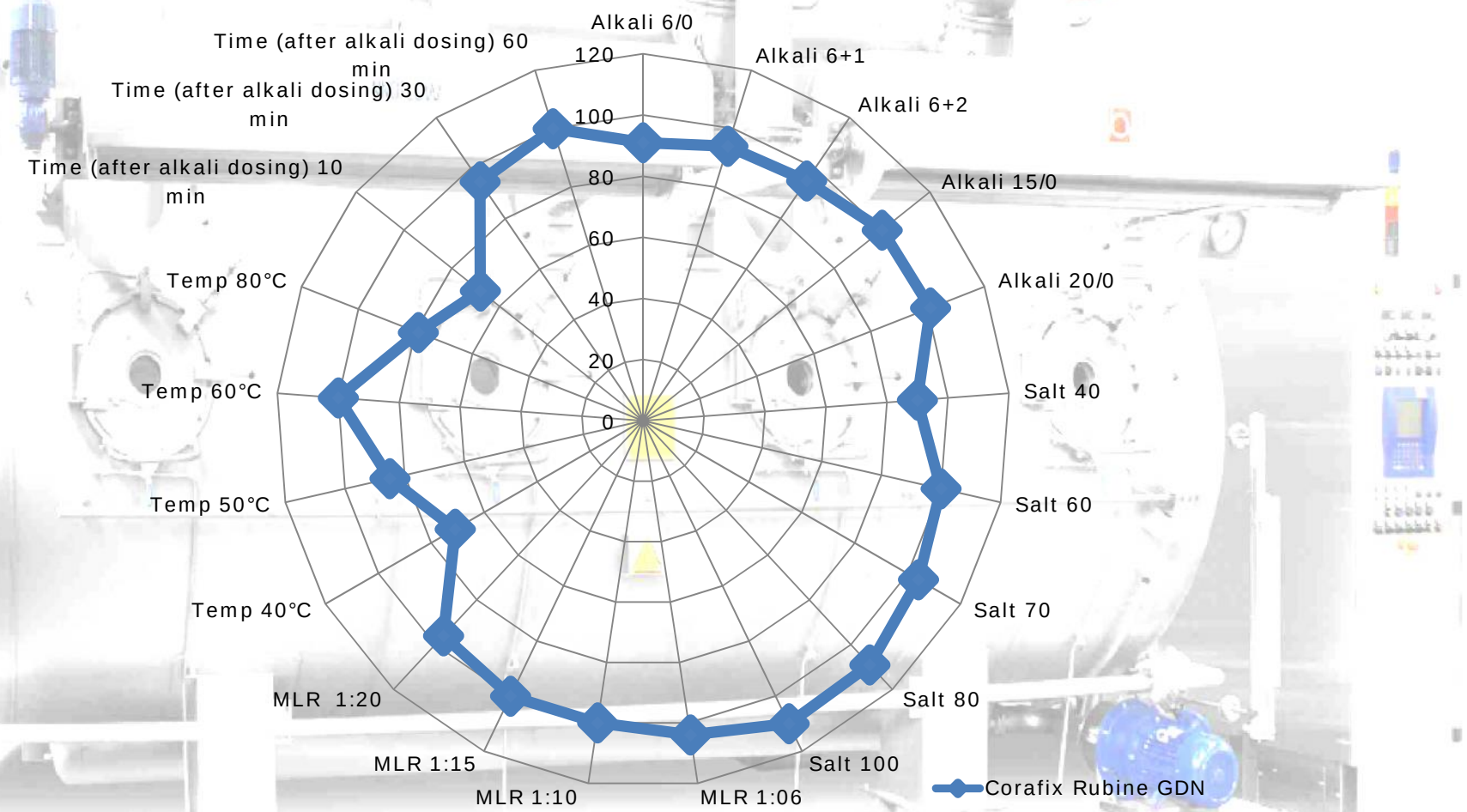
Robustness study of Corafix GD-Exhaust dyeing
Corafix Red GD-2G



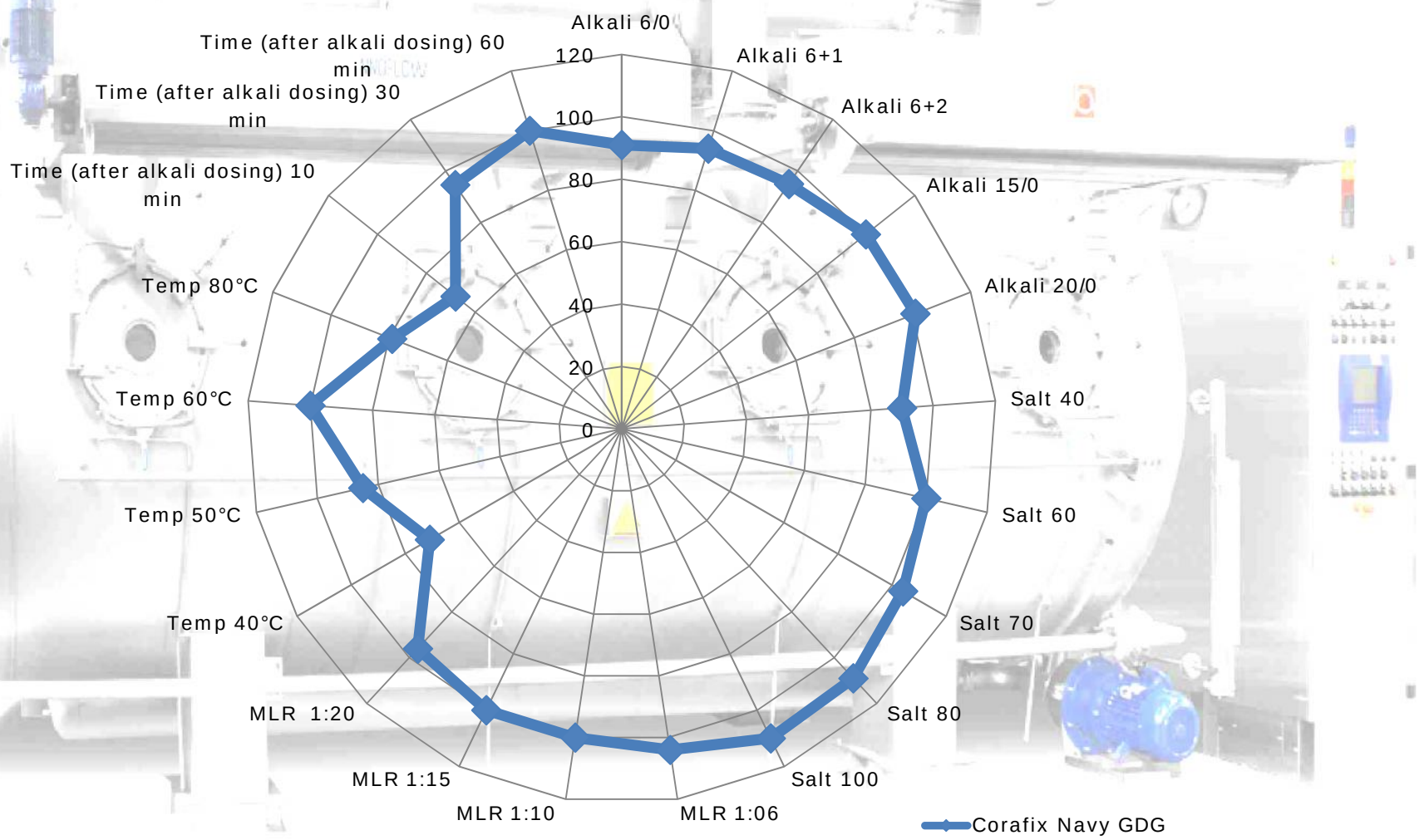
Robustness study of Corafix GD-Exhaust dyeing
Corafix Rubine GDB



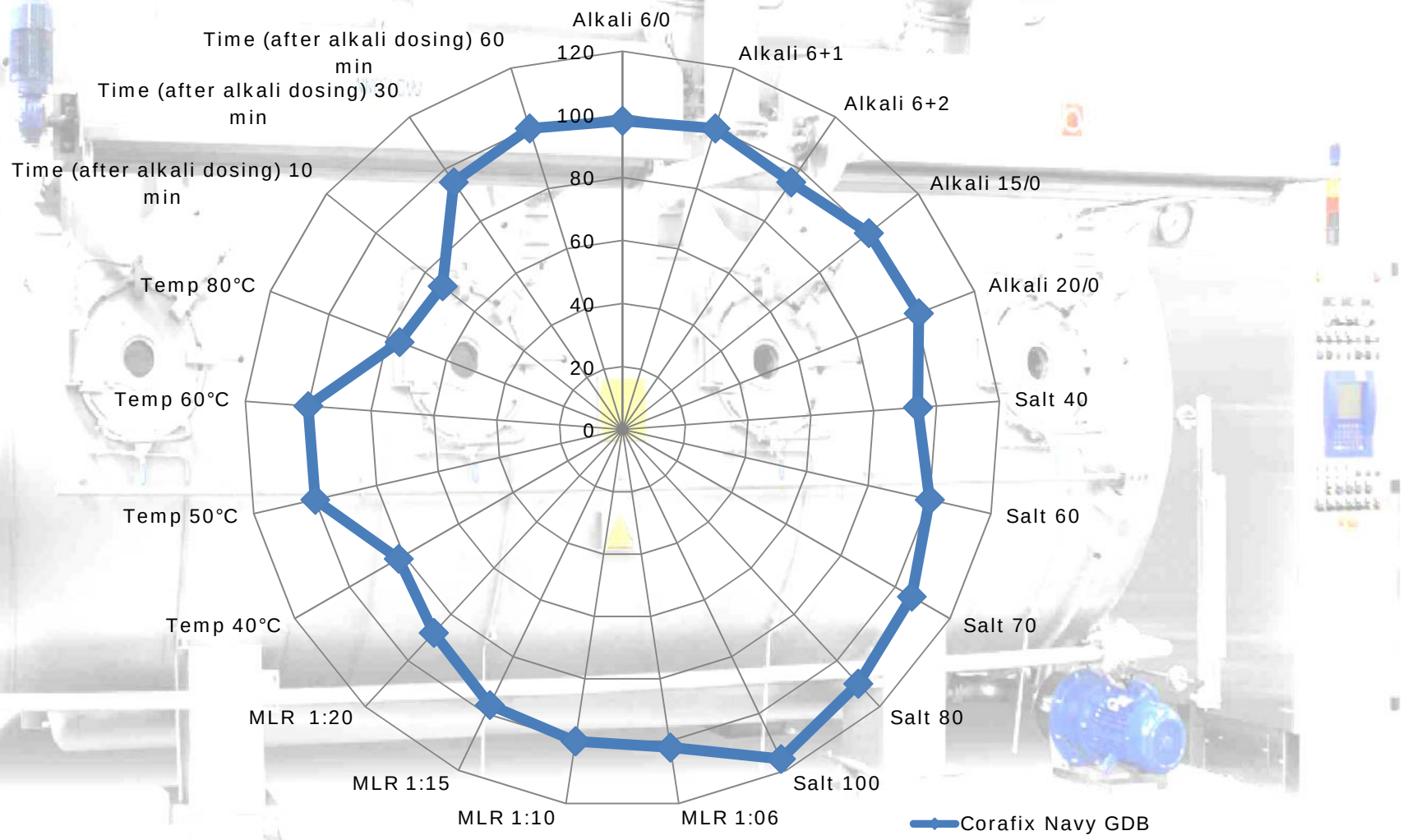
Robustness study of Corafix GD-Exhaust dyeing
Corafix Rubine GDN



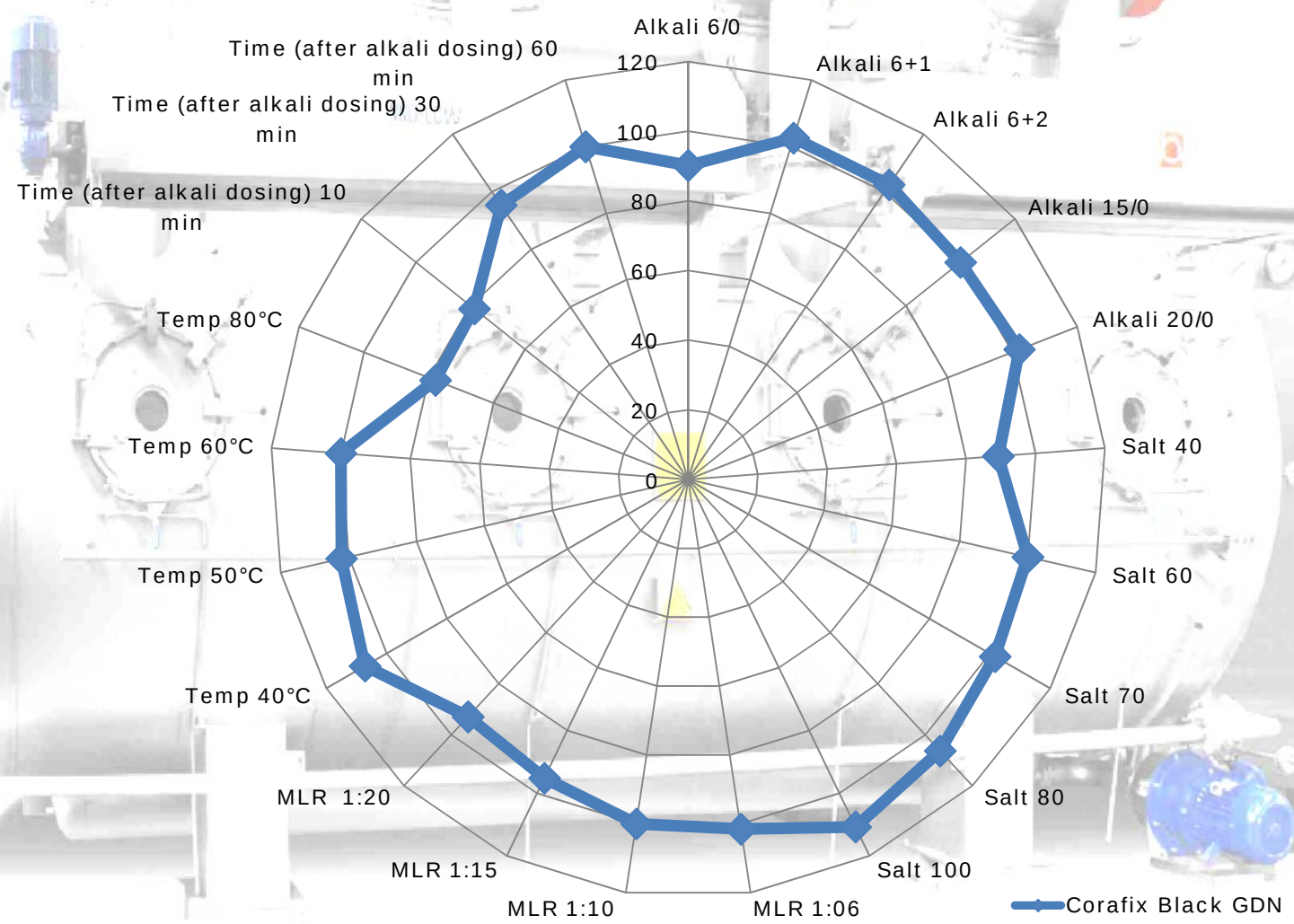
Robustness study of Corafix GD-Exhaust dyeing
Corafix Navy GDG



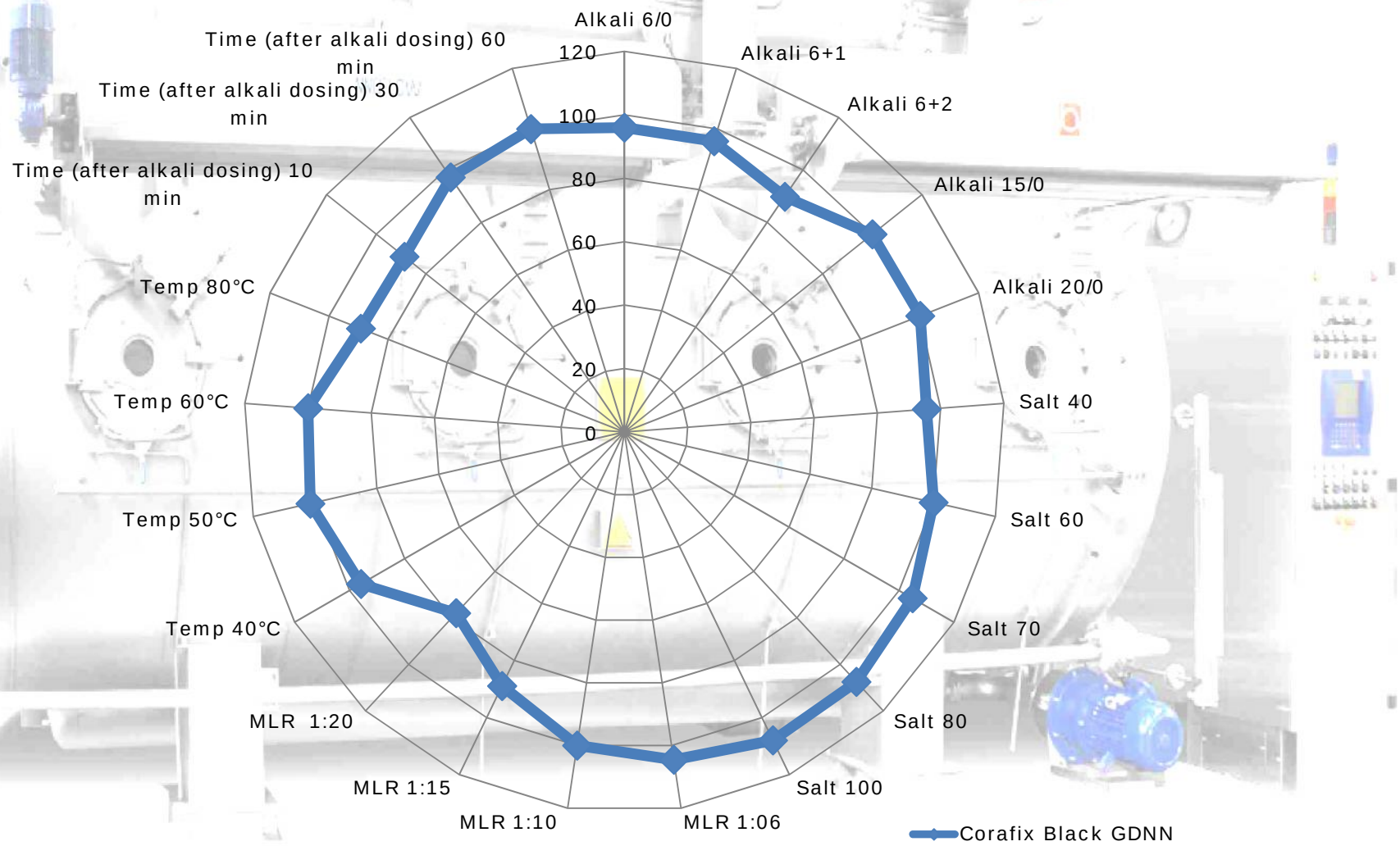
Robustness study of Corafix GD-Exhaust dyeing
Corafix Navy GDB



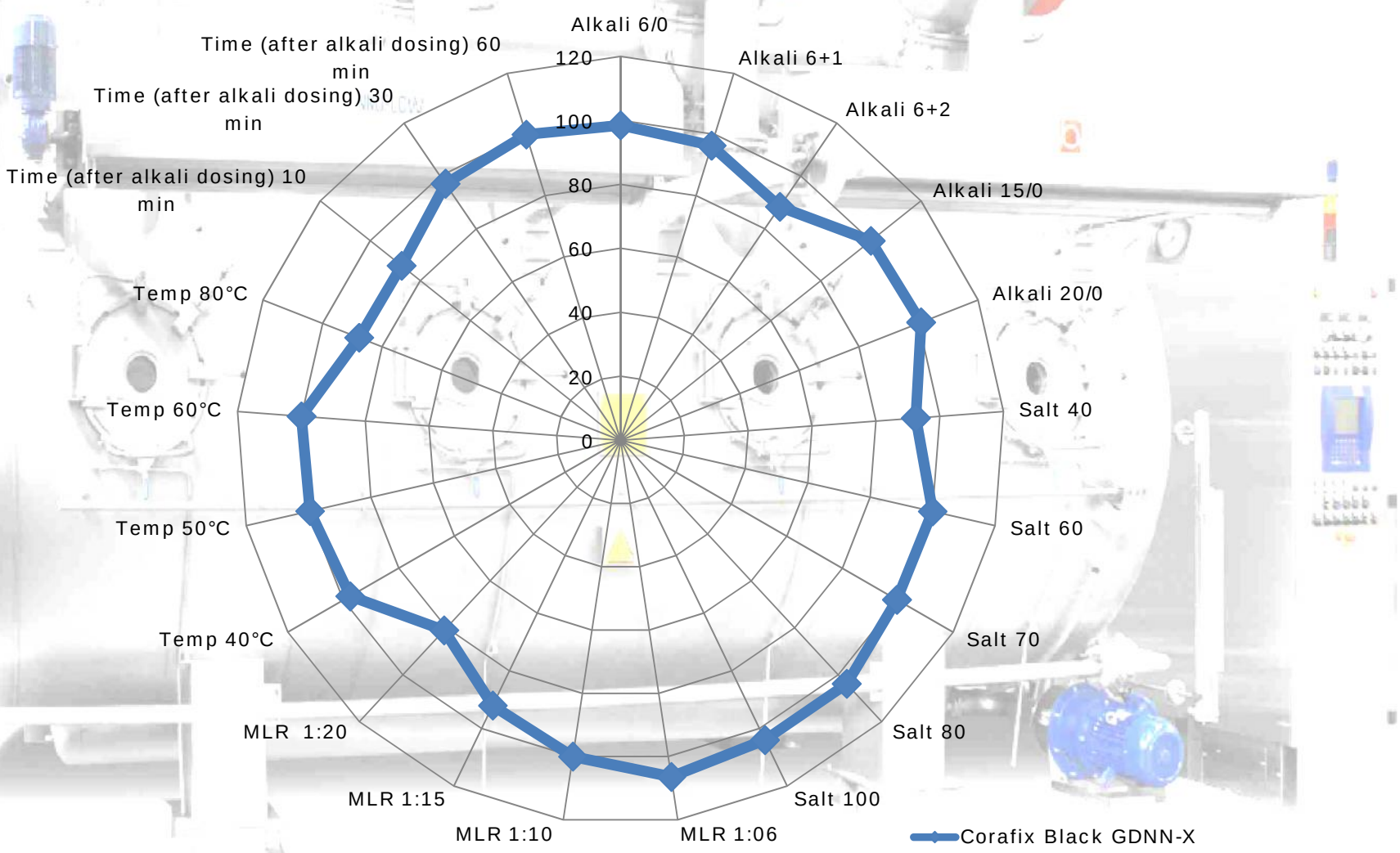
Robustness study of Corafix GD-Exhaust dyeing
Corafix Black GDN



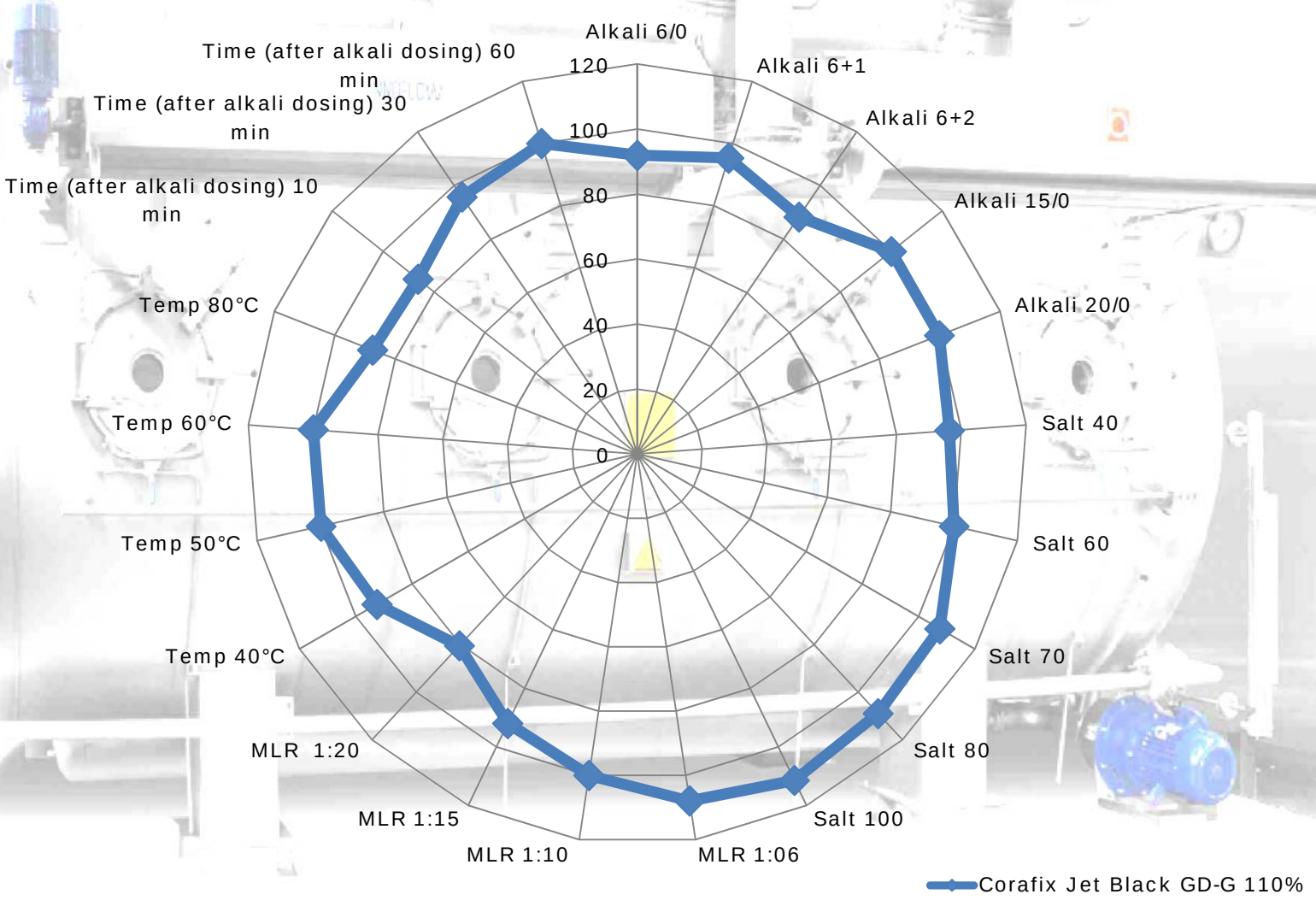
Robustness study of Corafix GD-Exhaust dyeing
Corafix Black GDNN



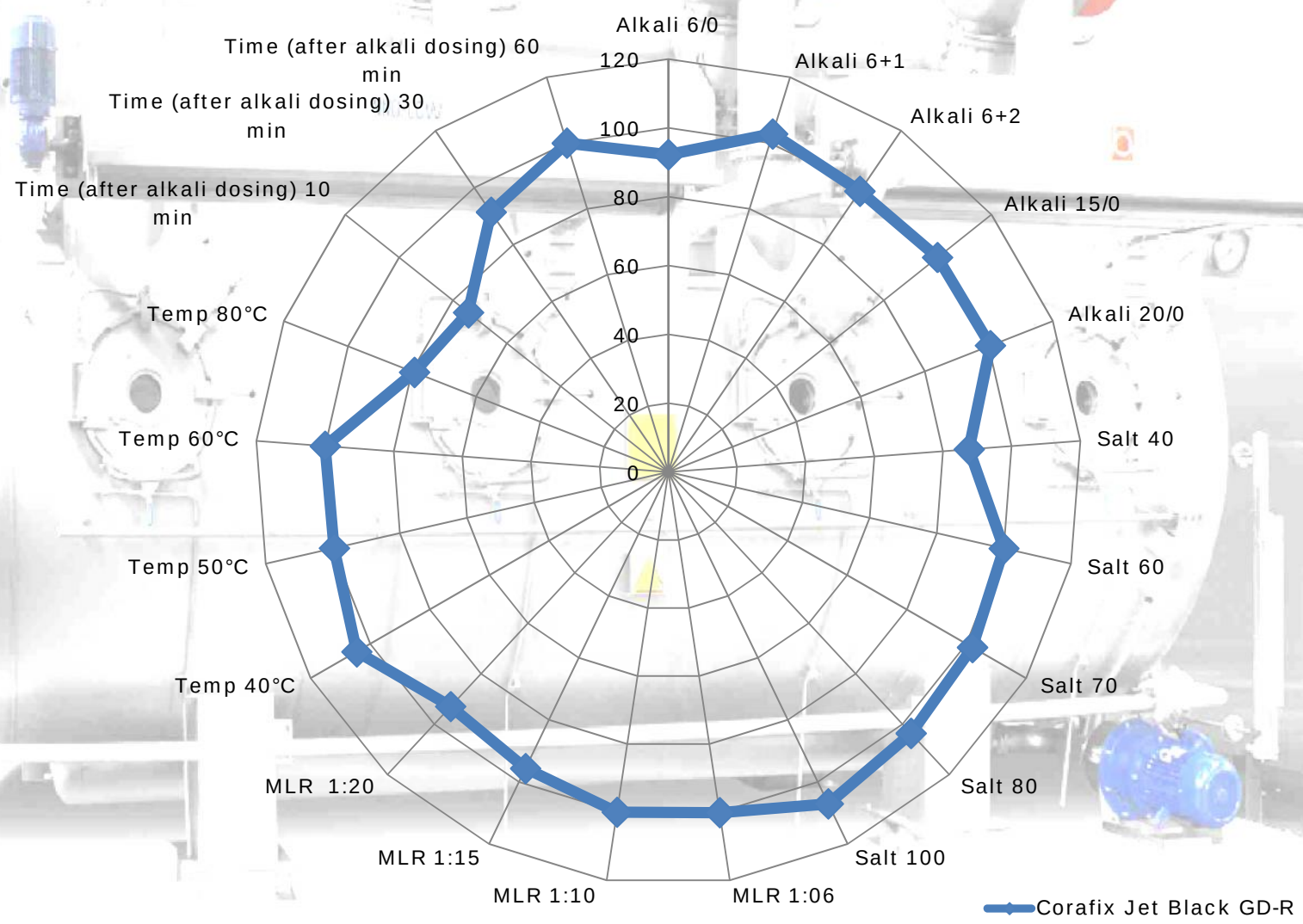
Robustness study of Corafix GD-Exhaust dyeing
Corafix Black GDNN-X



Robustness study of Corafix GD-Exhaust dyeing
Corafix Jet Black GDG 110%



Robustness study of Corafix GD-Exhaust dyeing
Corafix Jet Black GDR



Robustness sensitiviy of Corafix Red GD-2B and Rubine GDN

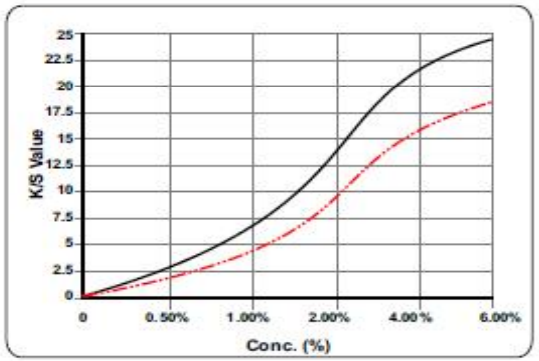
Solution is Corafix Red XD-2B & Corafix Carmine XD

- Corafix Red XD-2B is better product compare to Corafix Red GD-2B in context to robustness.
- Corafix Carmine XD is better option than Corafix Rubine GDN. Carmine XD is more greener-yellower-duller but, having better robustness.

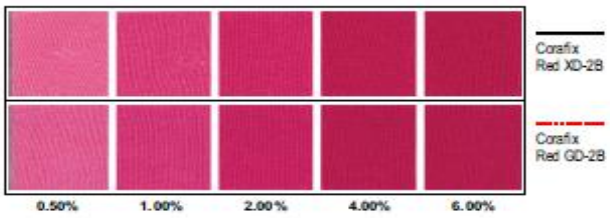
Corafix Red XD-2B Vs.Corafix Red GD-2B

Build up Comparison (Exhaust method)
Corafix Red XD-2B VS Corafix Red GD-2B

Concentration in %	Corafix Red XD-2B K/S Value	Corafix Red GD-2B K/S Value
0.5	2.79	2.23
1.0	6.36	4.76
2.0	12.74	9.43
4.0	21.81	16.03
6.0	24.37	18.68



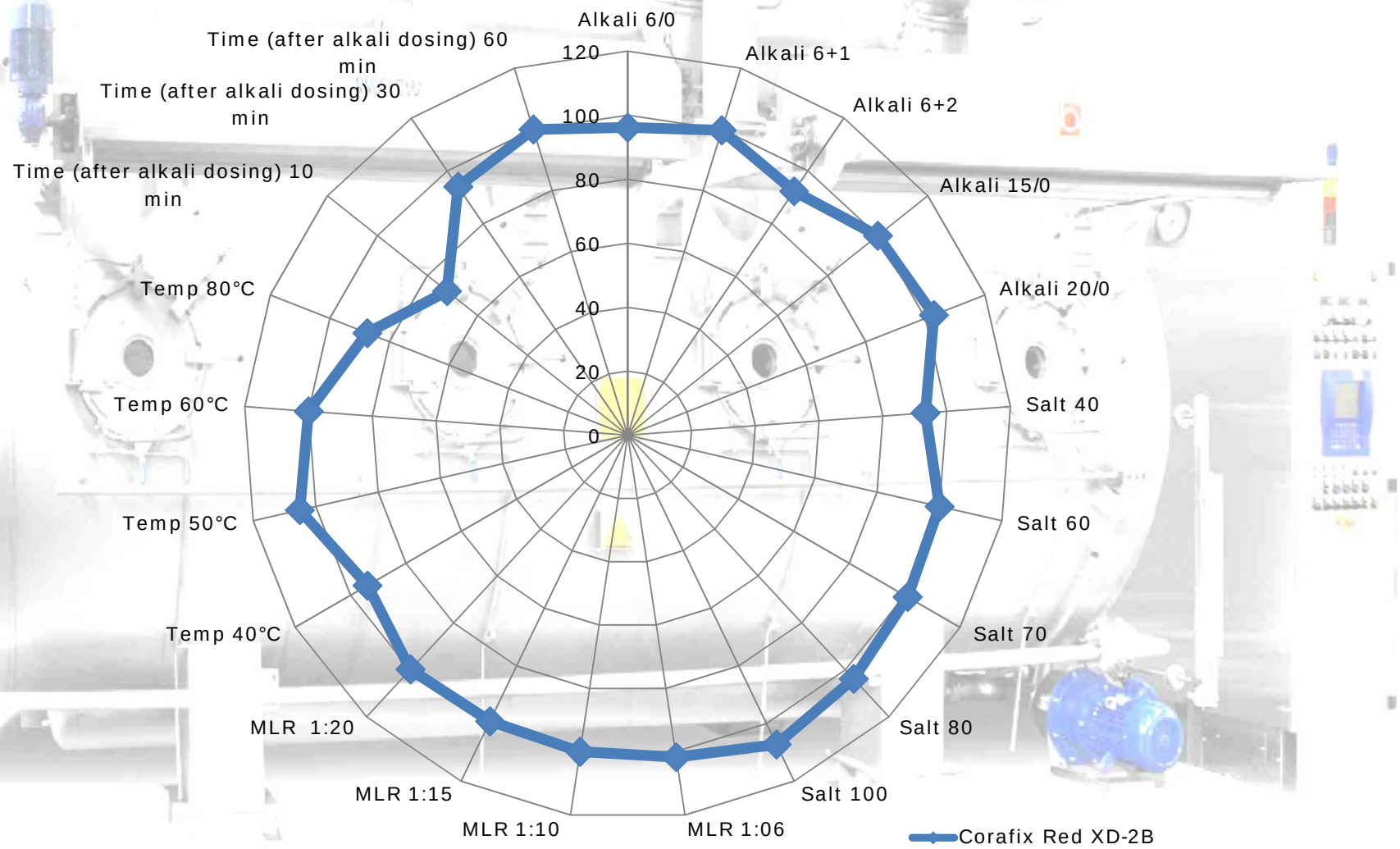
Un-mercerised Knits Fabric (by exhaust dyeing)



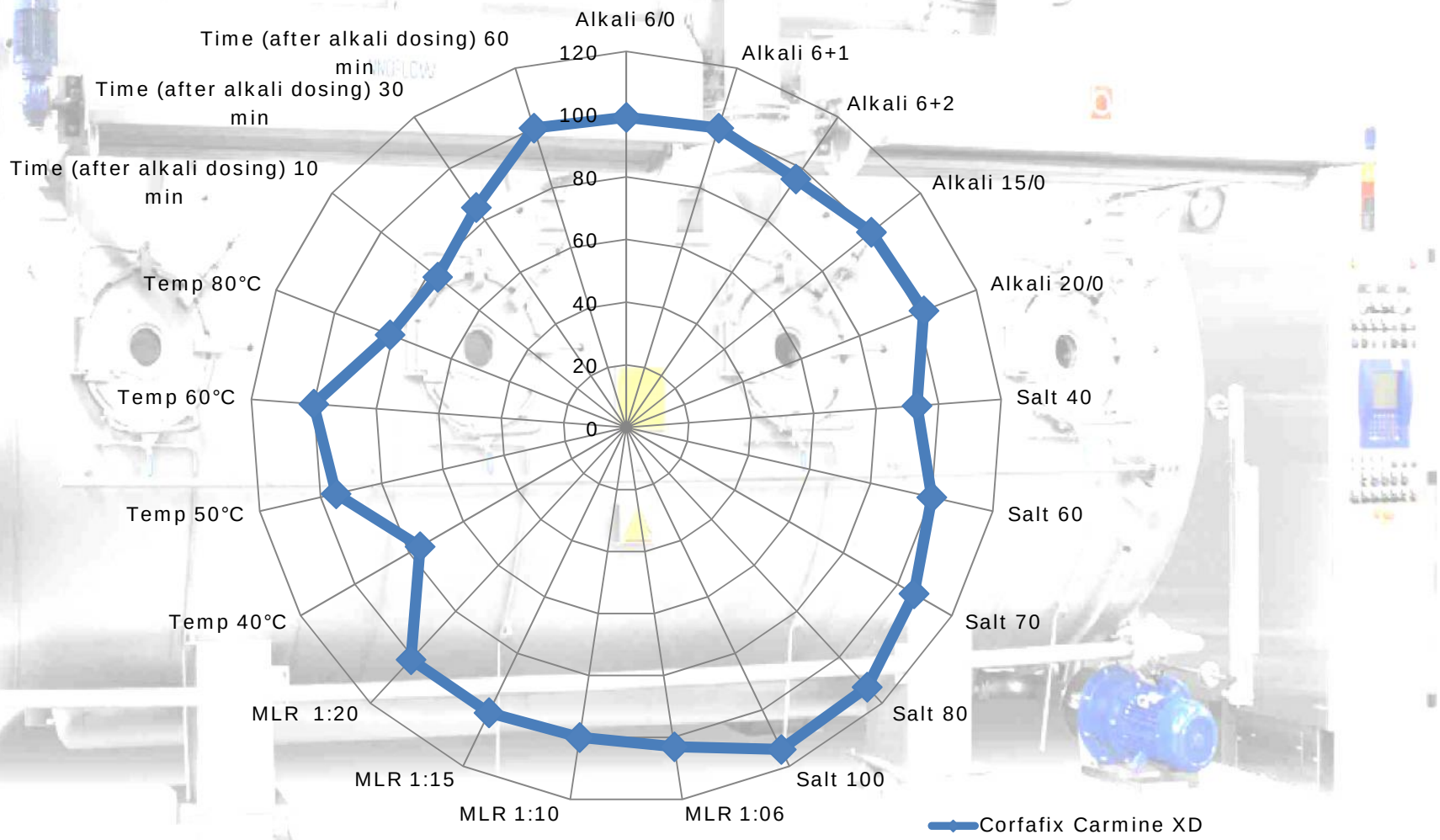
Advantages of Corafix Red XD-2B

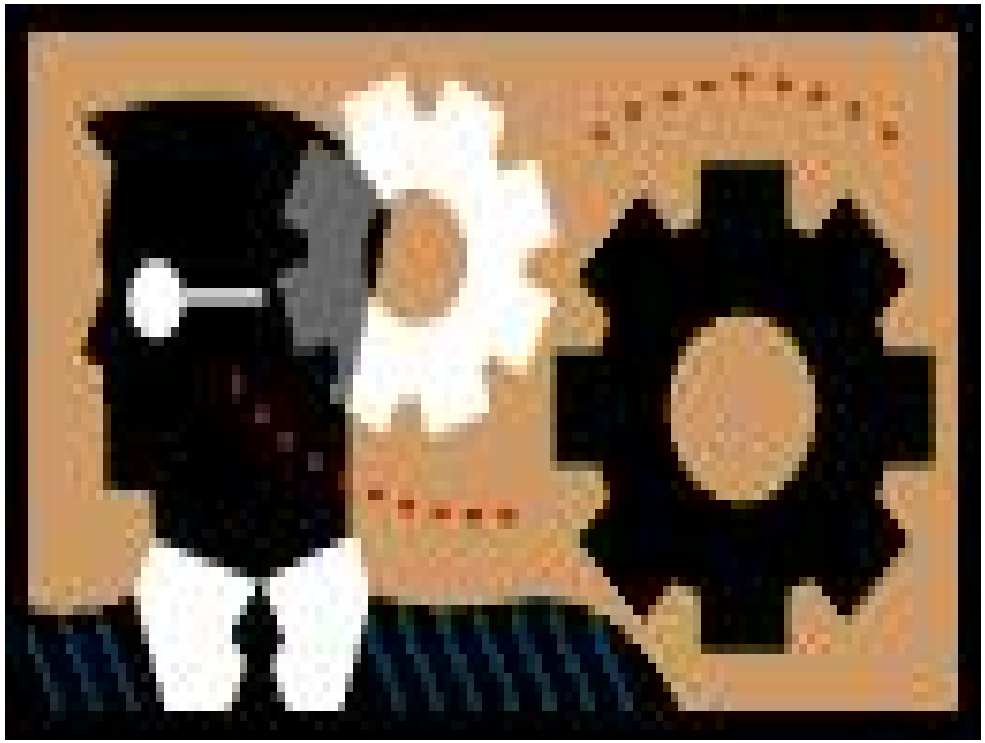
- Better neutral and electrolyte solubility than Corafix Red GD-2B
- Better Build up than Corafix Red GD-2B
- More robust in dyeing with different parameters

Robustness study of Corafix GD-Exhaust dyeing
Corafix Red XD-2B



Robustness study of Corafix GD-Exhaust dyeing
Corafix Carmine XD





Thank you...