



---

**JOINT PROJECT BY**  
**CERAFLUX INDIA PVT**  
**LTD**  
**&**  
**KASTURI FOUNDRY**

---



# PROJECT TEAM MEMBER

---



**CERAFLUX INDIA PVT LT**

**Mr. TANAWADE S.J.**

ASSISTANT MANAGER TECH.

**KASTURI FOUNDRY PVT LTD**

**Mr. PRASHANT DHULDHUPPANIVAR.**

PLANT HEAD FOUNDRY & MACHINESHOP

**Mr. VATARKAR S.P.**

CORESHOP INCHARGE.



---

## **PROJECT DESCRIPTION**

---



- **TO AVOID METAL PENETRATION AND SAND FUSION.**
  - **TO IMPROVE SURFACE FINISH OF CASTING.**
  - **REDUCTION IN FETTLING COST.**
  - **TO INCREASE IN PRODUCTIVITY.**
-



---

# BACKGROUND

---



- **KASTURIFOUNDRY IS FACEING HEAVY SAND FUSION AT POCKET AREA WHERE LOW STRENGTH.**
  - **CASTING FETTLING TAKES MORE TIME TO CLEAN UP OF CASTING.**
  - **DUE TO MORE FETTLING TIME, DELAY IN DISPATCHES.**
-



---

## **COATING-CURRENT VS PRAPOSED**

---



### **CURRENT POSITION**

- **CURRENTLY KASTURI FOUNDRY IS DOING COATING PROCESS WITH ARKOPAL 6644.**

### **CERAFLUX PROPOSAL**

- **CRAFTACOTE N61 WATER BASED MIXED REFRACTORY COATING.**
-



# TRAILS DETAILS



**BASED ON PRAPOSALS KASTURI FOUNDRY AND CERAFLUX JOINTLY AGREED TO CONDUCT TRAIL AS PER DETAILS GIVEN BELOW.**

**COATING NAME:CRAFTACOTE N61**

**BATCH NO :19 LF 152**

**TRIAL DATE: 1 AUG 2019**

**CASTING NAME: MAHINDRA DS345C**

**CASTING WT : 105 KG (APPROX GOOD CASTING)**

**METHOD OF APPLICATION : OVER POURING**

**DILUTION RATIO : 100:41 (PRODUCT:WATER)**

**VISCOSITY MAINTAINED:15.27 SEC.**

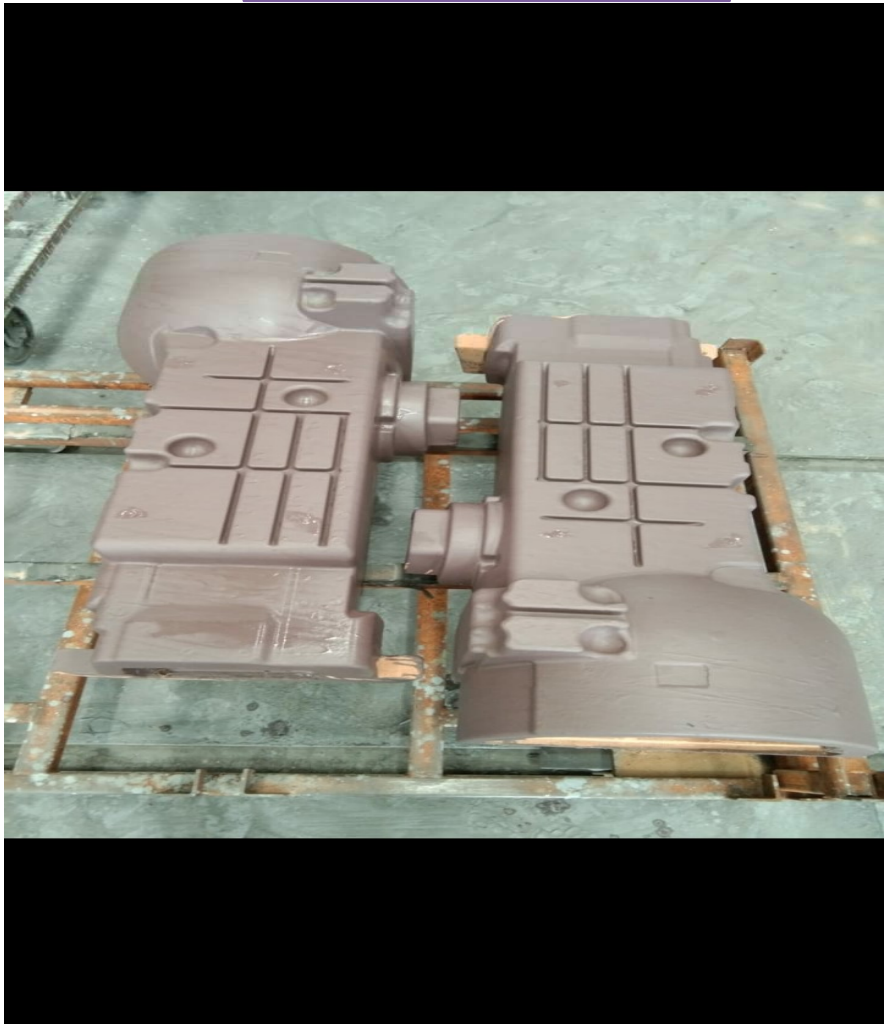
**MAT TIME: 64 SEC**

**COATED CORE PASSED FROM OVEN AT 178°C FOR 60 MIN .**

---

# MAHINDRA DS345C CORE

**OVER POURING CORE**

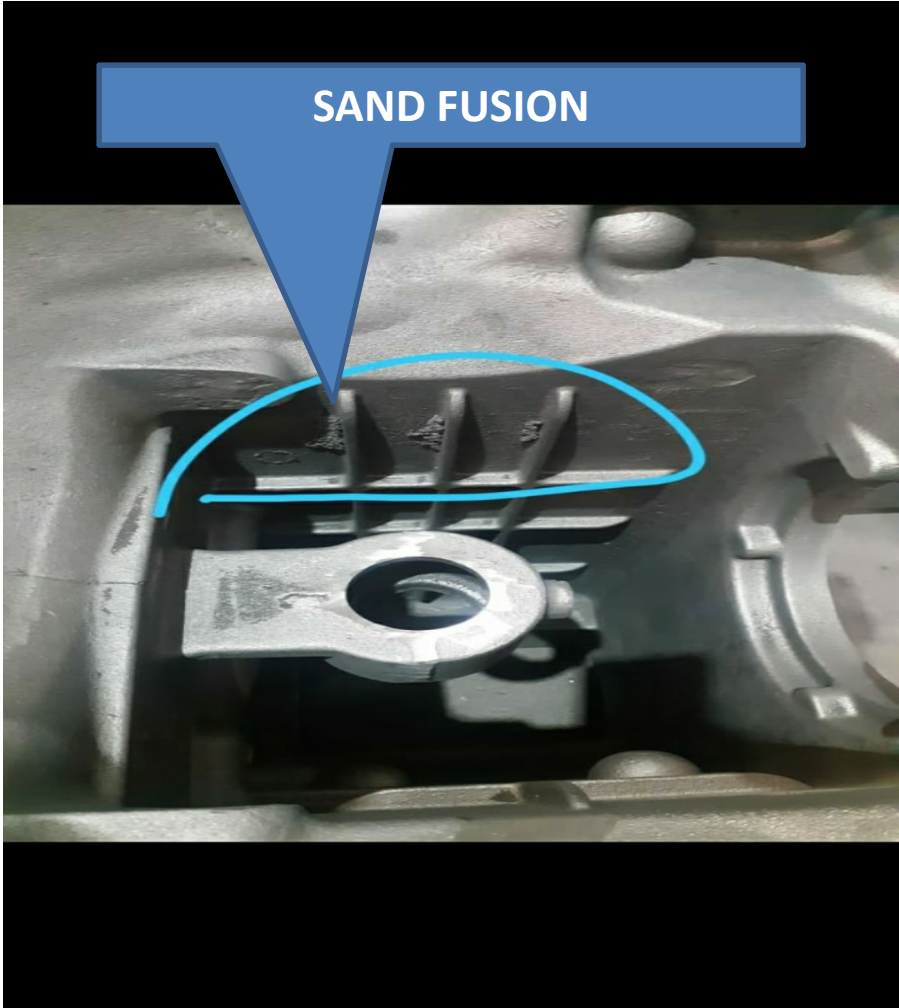


**AFTER OVEN PASSED**



# MAHINDRA DS345C CASTING

BEFORE



AFTER







# Thanks!

You can reach us on  
[techservice@thermochem.in](mailto:techservice@thermochem.in)



**CERAFLUX INDIA PVT LTD.**

[www.ceraflux.com](http://www.ceraflux.com)

---