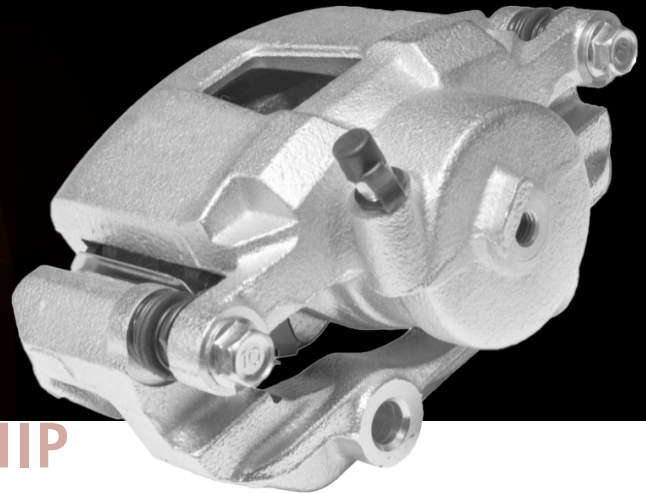


## Specially developed release agent reduces fire and environmental risks



## KNOWLEDGE & PARTNERSHIP

### THE CHALLENGE

Fume emissions during the moulding process were problematic, as was the risk of fire in expensive green moulding lines due to the low flash point of the old release agents. This is a common co-existence in many foundries and in recent years, some foundries have suffered fires in the plant, causing a long production stop and high repair costs.

### FOUNDRY:

CondalsGroup is a multinational company serving advanced technical solutions for the automotive, railway and construction sectors since 1976. The foundry plant in Spain is supplying customers mainly in the European market.

### PARAMETER

**Alloy:** Grey and ductile iron

**Casting weight:** 200 gr to 2 kg

**Pouring temp.:** 1,400°C

**Pour time:** 5-10 s

**Moulding Process:** Vertical moulding line, green sand

### FOSECO PRODUCTS

PARTISAL\* 477 ECO parting agent

TENO\* COATING ZBBPK 16 coating

SEDEX\* filters

VAPEX\* stoppers

KOLPER R 7 glue

## OUR SOLUTION

Foseco has developed a special release agent (PARTISAL 477 ECO) with excellent environmental and release properties as well as an excellent lubricating effect for all metal components used in sand moulds, preventing wear of materials, extending their life and reducing maintenance times. The installation of moulds is safer when using PARTISAL 477 ECO with a higher boiling point.

## KEY BENEFITS

- Reduced fire risk
- Improved working environment
- Lower production costs
- Improved casting quality

> LET'S LEARN MORE



## THE OUTCOME

PARTISAL 477 ECO release agents have improved release and lubrication properties in the foundry. A significant environmental improvement has also been achieved for the operators working around the moulding line. The costs of maintenance and repair of the wearing parts of the moulding line have been reduced.

PARTISAL 477 ECO release agent



Typical casting production

THINK BEYOND. SHAPE THE FUTURE.



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