



Press Release

New, lithium-free additives for iron and aluminium castings

Hilden, 30.01.2020 - Ismail Yilmaz, Product Manager for Additives at ASK Chemicals, will inform about innovative and lithium-free additives at the 3rd Formstoff-Forum in Munich.

At the 3rd Formstoff-Forum of the Association of German Foundrymen (VDG), held from February 12 - 13, 2020 at the Munich University of Applied Sciences, the latest developments in the foundry industry will be presented. There will be presentations on the prevention of casting defects as well as social, economic and environmental discussions. Ismail Yilmaz from ASK Chemicals will present how new, lithium-free additives can be used in iron and aluminum casting in a resource-saving manner while maintaining the same casting quality.

Sustainability with the same quality

The light metal lithium is becoming increasingly important due to global political and social developments, especially in the field of electro-mobility. The mining of lithium is costly, consumes large amounts of water and can only be achieved with severe environmental pollution. ASK Chemicals is therefore committed to significantly reducing the use of lithium in additives. In close cooperation with customers of the Hilden-based company, it has been possible to reduce the need for lithium in additive formulations by 40%. It is important to maintain and in the best case even improve the quality of the casting. The additives developed by ASK Chemicals not only improve the environment, but also reduce casting defects, increase tooling availability and in some cases can reduce the use of special sands.

Visit the presentation of Ismail Yilmaz and learn more about the advantages of lithium-free additives. Furthermore, ASK Chemicals is looking forward to exciting discussions at its booth at the Formstoff-Forum 2020.

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Images for the press release:



Without Additive

with lithium-containing
Additiv Veino Ultra 3010

with lithium-free
Additiv EP 4866

Figure 1: Casting comparison without /with additives in aluminium casting



About ASK Chemicals

ASK Chemicals is one of the world's largest suppliers of foundry chemicals and auxiliaries. Its comprehensive product and service portfolio ranges from binders, coatings, feeders, filters and release agents to metallurgical products such as inoculants, magnesium treatment wires, inoculation wires and master alloys for iron casting. Core production, prototype development and a wide array of simulation services complete the range.

With research and development locations in Europe, America and Asia, ASK Chemicals sees itself as a driving force behind foundry technology innovations coupled with the commitment to consistently provide added value to its customers. Flexibility and speed, quality and sustainability, as well as profitability of products and services are crucial for the company.

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