

Oemeta features high performance with NOVAMET 100 at Alfa Laval

Situation

The professionals at ALFA LAVAL were unsatisfied with the tramp oil contamination of their applied product due to the tapping process. They searched for an improvement in tool and sump life. With Oemeta they found a company who manufactures products that enhance these technical features.

In November 2013 ALFA LAVAL started a trial at the Sarole Plant in Pune, of drilling and tapping on a MAZAK VTC with the Oemeta coolant NOVAMET 100. The machined material was steel (EN304L and EN 316L) and the tank capacity was 200 Litres.

Solution

Sales professionals at Oemeta recommended NOVAMET 100, due to its excellent lubrication performance, which is capable of taking care of the tapping requirements and to remove the need for a separate tapping product. Since December 2013 the use of tapping oil has been completely withdrawn.

As a result ALFA LAVAL could eliminate tramp oil on the MAZAK VTC, thereby reducing the burden of tramp oil separation. This led to a cost saving in tapping oil. Before the switch, ALFA LAVAL used to consume 5 Litres of tapping oil every month.



Alfa Laval (India) Limited



Alfa Laval is a leading global supplier of products and solutions for heat transfer, separation and fluid handling through their key products – heat exchangers, separators, pumps and valves. They currently play a vital role in areas that are crucial for society, such as energy optimization, environmental protection and food production.

In the area of water-miscible coolants Oemeta has steadily grown into the independent market leader in technology on the basis of 100 years' experience. Product inventions such as the two-component coolant and multi-function oils have led to lasting improvements and cost savings in the production processes of well-known manufacturers in the industry.



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Cost-efficiency by longer runtimes

Further Outcomes

NOVAMET 100 has also demonstrated an improvement in tool life in drilling applications on a HAAS machine tool. With regards to the committed 9 millimetres drill by SECO the tool life increased from 20 metres up to 23 metres, a growth rate by 13 %. Longer tool life has also reduced the effort on tool regrinding.

Previously, the life of the coolant was 3 months, Oemeta's NOVAMET 100 has topped this sump life by more than 12 months and is still running well at ALFA LAVAL.



Benefits at a glance

- Reduced costs due to less coolant consumption
- Time saved in cleaning and recharging the tank
- Savings in the disposal of the waste coolant
- Improved surface finish
- Avoids bad odours

Overall, NOVAMET 100 has resulted in cost savings up to 35 %.



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“We also appreciate the support Oemeta has provided during the trial phase.” Mr. Nishikant Gujare, Head of Manufacturing Pumps and Valves.