



Hot Mix Asphalt Production

GLOBALGEAR SOLUTION



Project Overview

Hot mix asphalt (HMA) is a mixture of aggregates such as sand, gravel, and asphalt cement. This mixture is then heated to 300 - 500°F (150 - 260°C) at the production facility before being shipped to the target location and laid down. ARO GlobalGear industrial process pumps are the perfect solution for hot mix asphalt applications due to their ability to pump aggregate and hold required temperatures with their jacketed construction.

Customer Overview

ARO's customer is a leader of hot mix asphalt production and application in the Southeastern United States. Heat sensitive applications require precision, and the assurance that equipment will work reliably to produce a consistent product. If the need for maintenance does arise, they need the ability to perform it with minimal downtime.

Solution

ARO's customer was using a competitor's pump in their asphalt manufacturing process. But when one of these pumps needed extensive service due to belt-driven deflection issues, the customer found themselves shutting down the entire production line for at least one full day to remove the entire pump.

This prolonged downtime compelled the company to look for a different solution. The solution they found was GlobalGear, by ARO.

GlobalGear utilizes a back pull-out design, allowing access to the pump without disturbing the piping or shaft alignment. This feature allowed the customer to change out the shaft seals within a fraction of the time, without completely taking down the pump. Additionally, the larger shaft design and the shaft seals proved to outlast and outperform the competitor, resulting in less downtime.

After experiencing the ease of maintaining ARO's GlobalGear pump compared to the competitor, the customer decided to switch over all their previously preferred pumps to what worked best for them: GlobalGear.

