

## SSP GOES BUMPER TO BUMPER WITH GEAR PUMPS

A German plastics manufacturer concerned with the failure of gear pumps on a particularly abrasive application has now installed SSP Series S rotary lobe pumps. Having replaced the gear pumps which became damaged due to abrasive wear after only 6 - 8 months use, the SSP Series S pumps have now been in operation for 4 - 5 years giving trouble free service.

The pumped media is a mixture of polyol and mineral fibre (wollastonite) having small abrasive particles. Wollastonite is used primarily in ceramics, friction products (brakes and clutches), metal making, paint filler, and plastics. In this particular application the plastic was being produced for the manufacture of car bumpers.

Gear pumps with their inherent gear contact have component clearances within the pumphead that are either very small or non-existent. When the pumped media contains abrasive solids, depending upon the relative hardness of the pumphead component to media solid, there will be abrasion. This abrasion will apply to the pumphead components, leading to performance loss resulting in increased maintenance / replacement cost.

The SSP Series S rotary lobe pump has the ability to pump abrasive media with its non-contacting pumphead design. Pump specification was enhanced by the use of stainless steel bi-lobe rotors and plasma nitrided rotorcase and rotorcase cover. Both S3-0027-V15 and S4-0055-V20 pump models are being used for different flow rates.



<b>Pump Range:</b>	Series S
<b>Model:</b>	S3-0027-V15
<b>Duty Details:</b>	
<b>Pumped Media:</b>	Polyol/Mineral Fibre (Wollastonite)
<b>Flow Rate:</b>	20 l/min
<b>Suction Pressure:</b>	6 bar
<b>Discharge Pressure:</b>	8 bar
<b>SG:</b>	1.25 - 1.30
<b>Viscosity:</b>	1250 - 2500 cP
<b>Pumping Temperature:</b>	40 - 50°C
<b>Pump Speed:</b>	78 rev/min

Represented By:

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*The information contained herein is correct at the time of issue, but may be subject to change without prior notice*