



# TRAINING

## Servo-Valve Fit & Function with Filtration & Flushing Seminar

A **free** one-day course, held at Star Hydraulics in Tewkesbury, to help you eliminate expensive repair costs and down-time of your hydraulic system.

### **Servo-Valve Basic Principles and Filtration & Flushing Seminar**

Introduction – Star Hydraulics Limited.

Basic Principles – How Servo Valves Work and how malfunctions occur.

Star Servo Valve Design Features and manufacture.

Dynamic Clearances within servo Valves Hydraulic Pumps & Components.

Effect on Servo Control by High Silt Levels.

ISO4406 (1999), NAS1638, AS4059 (SAE).

Relationship of Filter Ratings to System Cleanliness Standards.

Self-assessment exercise for Servo System Cleanliness and Filter Ratings.

Improving Effective Filtration for Servo Systems.

Flushing-Re-Commissioning Programme for Servo Systems.

Condition Monitoring-Seeing the problem long before the systems comes to a halt!

#### **Who should attend**

- Our course is aimed at Engineers working with servo hydraulic systems, who wish to gain a better knowledge and understanding of the servo valve function within their closed loop system.
- Engineers wishing to learn the importance of good house-keeping and how effective maintenance procedures can significantly reduce costs – prevention is better than cure!
- Participants should ideally have a basic knowledge of fluid power systems and hydraulic components.

#### **Why you should attend**

- To gain a good understanding of how a servo valve works to achieve maximum reliability and performance of your hydraulic system.
- At least 80% of system failures are caused by contamination and Star estimate that over 90% of servo valve repairs are due to poor system maintenance; learn how to successfully maintain your system to significantly reduce downtime and costly repairs.

#### **Course duration:**

1 day – we can arrange a date to suit you and your colleagues and prefer a minimum of 2 attendees. We like to try and aim to start our training day by 10am and not only is the course absolutely **free of charge**, we'll also throw in lunch and refreshments! We aim for a 3pm finish.

#### **To book please contact:**

Paul Shillam – 01684 296176 or Helen Harrison – 07961 250594

Star Hydraulics Ltd, Severn Drive, Tewkesbury Business Park, Tewkesbury, Gloucestershire, GL20 8SF

TEL: **01684 296176**

EMAIL: [sales@star-hydraulics.co.uk](mailto:sales@star-hydraulics.co.uk)

WEBSITE: [www.star-hydraulics.co.uk](http://www.star-hydraulics.co.uk)



**DIRECTIONS:**

**We are conveniently located just off the M5.**

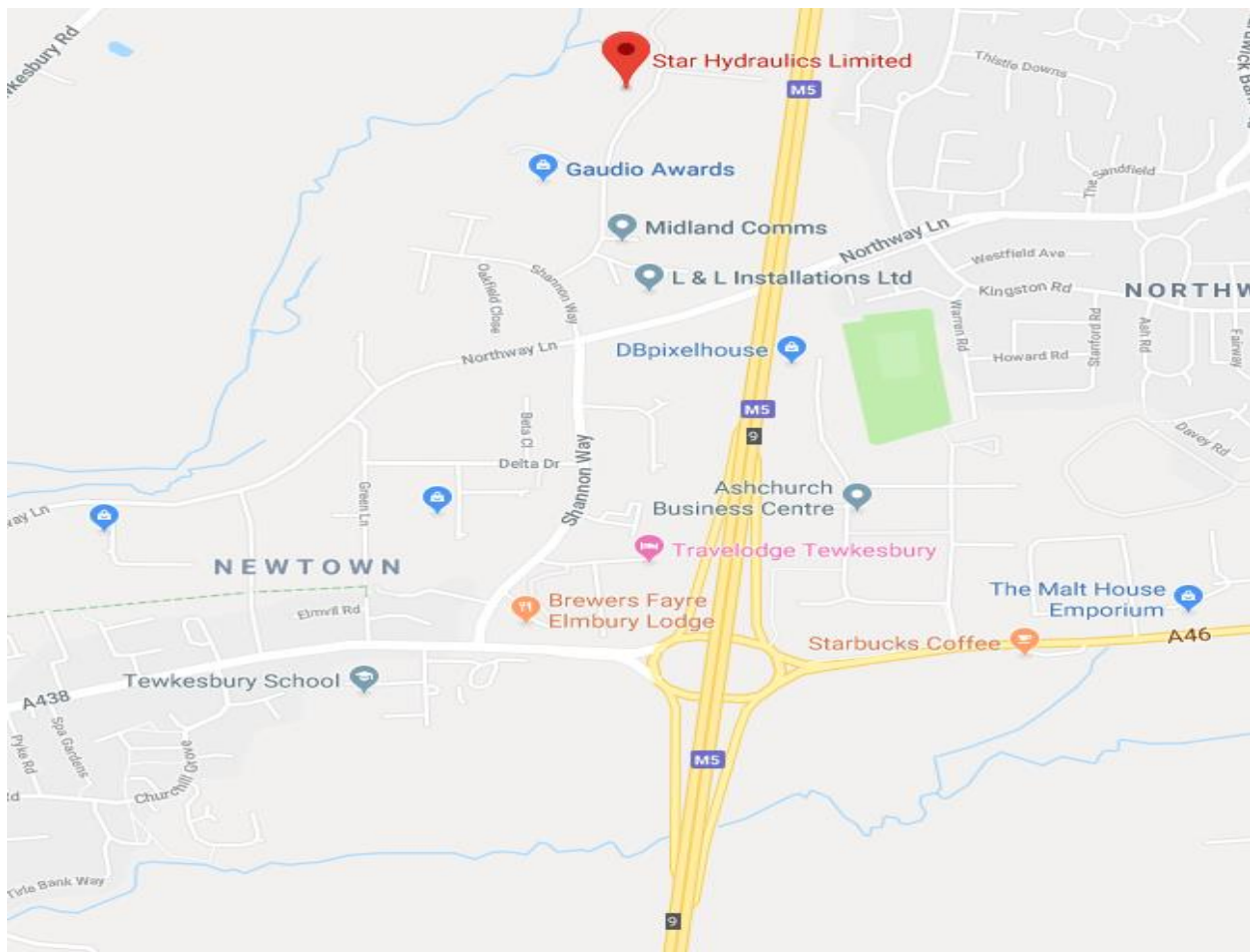
**At junction 9, take the A438/A46 exit to Evesham/Tewkesbury.**

**At the roundabout, take the A438 exit, Ashchurch Road, towards Tewkesbury.**

**Turn right at the traffic lights (by the Elmbury lodge/Premier inn) onto Shannon Way.**

**At the traffic lights at the cross road, go straight over.**

**Turn first right on to Severn Drive and we are located 0.2 miles, last building on the left-hand side.**



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