



**REGENT TRIST
HYDRAULICS**

Pressure is our business

HYDRAULIC SYSTEM PREVENTATIVE MAINTENANCE

Regent Trist Hydraulics



Regular Preventative Maintenance of your servohydraulic system can eliminate common problems and prevent breakdowns. Regent Trist Hydraulics Preventative Maintenance Program focuses on maximising your system's uptime, keeping it running in optimal condition.

Our Hydraulic System Preventative Maintenance service begins with a comprehensive evaluation of your servohydraulic systems to establish the full scope of work required. During this evaluation we consider the system's performance, the cost of ownership and opportunities to improve the system's operating efficiency.

WHY IS PREVENTATIVE MAINTENANCE IMPORTANT?

High pressure hydraulic systems present unique hazards including the risk of hydraulic injection which can result in loss of limb function, amputation and in extreme cases, loss of life. A robust Preventative Maintenance schedule assists in minimising these risks, protecting both your operators and your business.

By performing routine Preventative Maintenance on your hydraulic system, you can protect your investment and mitigate the risk in your laboratory.

WHY REGENT TRIST PREVENTATIVE MAINTENANCE?



- Our Preventative Maintenance Service is designed with safety assurance at the forefront. We follow the latest safety procedures and best practices and are accredited to ISO 9001.
- Regent Trist have a dedicated team of factory-trained Field Service Engineers who are British Fluid Power Association (BFPA) trained.
- Field Service Engineers utilize AR technologies to provide technical support and consultancy services from a remote location.
- Regent Trist offers accredited calibration services on materials testing systems. All Regent Trist Field Service Engineers who perform calibrations are audited in accordance with our accreditation to ISO 17025 from NVLAP under Lab Code 200301-0, which is a signatory of the ILAC (International Laboratory Accreditation Cooperation) MRA.
- We aim to form a long-term partnership with our customers, with more than 30 years of experience in hydraulics we can provide you with hydraulic ring main systems, consultancy and on-site services to keep your hydraulic system running in optimal condition.
- Regent Trist has the equipment to charge your accumulator on-site.

SAFER WORK ENVIRONMENT

The Provision and Use of Work Equipment Regulations 1998 (PUWER), states that equipment must be, “safe for use, maintained in a safe condition and inspected to ensure it is correctly installed and does not subsequently deteriorate.” With routine Preventative Maintenance, the risk of dangerous equipment failures is reduced, making the hydraulic system safer to operate.

LONGER ASSET LIFE

Regular Preventative Maintenance can help extend the life of your servohydraulic system and keep you informed about the health of each constituent part. Any emerging issues can be identified early and corrected, reducing the risk of unscheduled downtime and urgent repair work to bring the system back online.

COST SAVING

Regular scheduled Preventative Maintenance of your servohydraulic system helps you protect your investment and ensure its cost efficient operation throughout its lifespan. By performing regular preventative maintenance, you can keep your system running in optimal condition and avoid any interruptions to your testing.

When you purchase Preventative Maintenance from Regent Trist, you benefit from:

- Convenient scheduled visits by one of our Field Service Engineers
- Professional support from factory-trained Field Service Engineers
- Access to support from our dedicated Service team
- Complete documentation of your system's service history
- Lab analysis of oil samples for early detection of system faults
- Flexible and priority scheduling
- Competitive fixed pricing, allowing you to plan your maintenance budget

HYDRAULIC SYSTEM PREVENTATIVE MAINTENANCE

| ACTIVITY | 1 STAR SUPPORT CONTRACT | 3 STAR SUPPORT CONTRACT | 5 STAR SUPPORT CONTRACT ¹ |
|--|----------------------------|----------------------------|---|
| HYDRAULIC POWER PACK CONTROL VERIFICATION | | | |
| Motor | ■ | ■ | ■ |
| Pump | ■ | ■ | ■ |
| N2 Accumulators | ■ | ■ | ■ |
| Filters | ■ | ■ | ■ |
| Hoses | ■ | ■ | ■ |
| Heat Exchanger | ■ | ■ | ■ |
| TESTING SAFETY ELEMENTS | | | |
| Oil Pressure | ■ | ■ | ■ |
| Oil Temperature Sensors | ■ | ■ | ■ |
| Motor Thermal Protector | ■ | ■ | ■ |
| ELECTRICAL CHECKS | | | |
| Electrical Connections | ■ | ■ | ■ |
| Verification of Voltages and Currents | ■ | ■ | ■ |
| SYSTEM OPERATION CHECKS | | | |
| MEASURE EFFICIENCIES | | | |
| Motor | ■ | ■ | ■ |
| Frame | ■ | ■ | ■ |
| FULL SYSTEM VERIFICATION | | | |
| Substation | ■ | ■ | ■ |
| Filter Replacement | ■ | ■ | ■ |
| OIL SAMPLING | | | |
| Lab analysis | ■ | ■ | ■ |
| Review of Analysis Report | ■ | ■ | ■ |
| ACCUMULATOR CHARGING | | | |
| Recharging of Nitrogen Accumulator (up to a volume of 1 litre) | ■ | ■ | ■ |
| Additional Accumulator Recharge | ● | ● | ■ |
| REPORTS | | | |
| Complete maintenance report including system health assessment | ■ | ■ | ■ |
| FILTER REPLACEMENT | | | |
| Replacement of All System Filters at Appropriate Intervals | ● | ● | ■ |

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Included in 1 Star Support Contract

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Included in 3 Star Support Contract

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Included in 5 Star Support Contract

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This service can be added to your contract for an additional cost

HYDRAULIC SYSTEM PREVENTATIVE MAINTENANCE

| ACTIVITY | 1 STAR SUPPORT CONTRACT | 3 STAR SUPPORT CONTRACT | 5 STAR SUPPORT CONTRACT ¹ |
|--|----------------------------|----------------------------|---|
| ANNUAL ON-SITE VISIT | ■ | ■ | ■ |
| Additional On-Site Visits | ● | ● | ■ |
| OIL FLUSH | | | |
| Complete Oil Flush and Replacement Every 5 Years, Including COSHH Compliant Oil Disposal | ● | ● | ■ |
| HOSE REPLACEMENT | | | |
| Replacement of Hoses and Couplings Every 5 Years | ● | ● | ■ |
| ACCUMULATOR REPLACEMENT | | | |
| Replacement of Accumulator and Couplings Every 5 Years | ● | ● | ■ |
| CONTRACT BENEFITS | | | |
| 30% Discount on Labour ² | | ■ | ■ |
| 20% Discount on Spare Part ³ | | ■ | ■ |
| Unlimited Remote Technical Support ⁴ | | ■ | ■ |

■ Included in 1 Star Support Contract
 ■ Included in 3 Star Support Contract
 ■ Activite with 5 Star Support Contract

● This service can be added to your contract for an additional cost

1. The consumables which are renewed every 5 years can be renewed at the most appropriate point during the 5 year contract period, according to the current condition of each component and prior service history for the system. If you are unsure of the history of your system, we recommend choosing renewal of these items at the start of the contract period. This product forms a 5 year contract and cannot be purchased as a shorter contract due to the comprehensive nature of the consumable renewal schedule. The quotation will be provided after remote video site assessment session (approx 30 minutes). This contract covers any permutation of hydraulic ring main installation consisting of any quantity of power packs, distributors & connected machines. We will prepare a quote tailored according to the specifics of your system.
2. 30% discount on labour charges for any repair or breakdown work carried out during the period of the contract.
3. 20% discount on any spare parts needed during the contract period.
4. Unlimited remote technical support from Regent Trist's factory trained engineers via telephone, email and SightCall during business hours for the duration of the contract. Includes troubleshooting or diagnostic help to resolve issues and improve system performance.

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