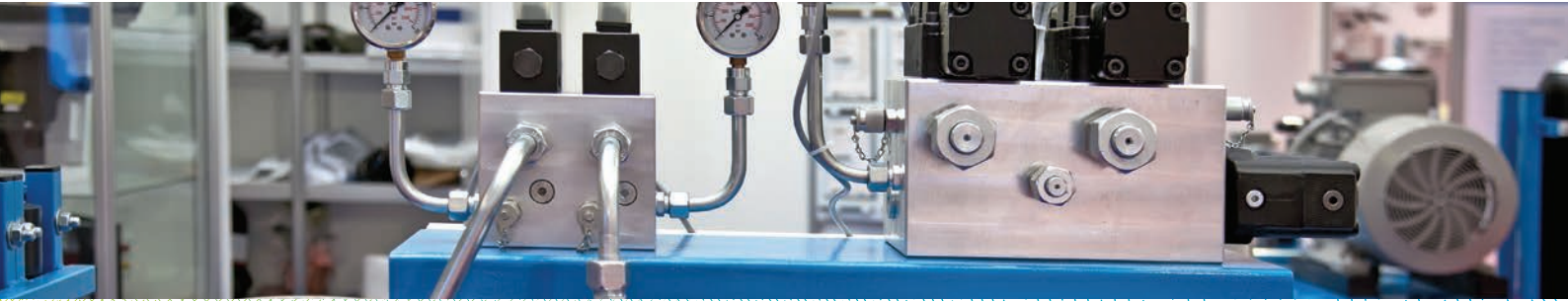


# Hydraulic inspection



Energy lives here<sup>SM</sup>

► This service details your critical hydraulic equipment, revealing opportunities to improve performance.

## Description

Our engineers inspect, report and document the condition of your critical plant hydraulic systems. They use inspection data to establish the optimum time to replace critical hydraulic components such as pumps, valves, heat exchangers, filters and lubricants – and then recommend maintenance practices to help improve system reliability.

## Application

We work with you to:

- Understand current plant lubrication practices, equipment life and improvement opportunities
- Develop a schedule of periodic hydraulic system inspections
- Inspect components and breather condition
- Record reservoir oil temperatures and obtain system oil samples
- Evaluate system fluid cleanliness levels
- Compare results to identify changes and trends
- Target a set Hydraulic Fluid Index, HFI

## Potential benefits



Minimized unscheduled downtime



Minimized level of hydraulic system parts replacement



Minimized lubricant consumption



Maximized production of acceptable parts

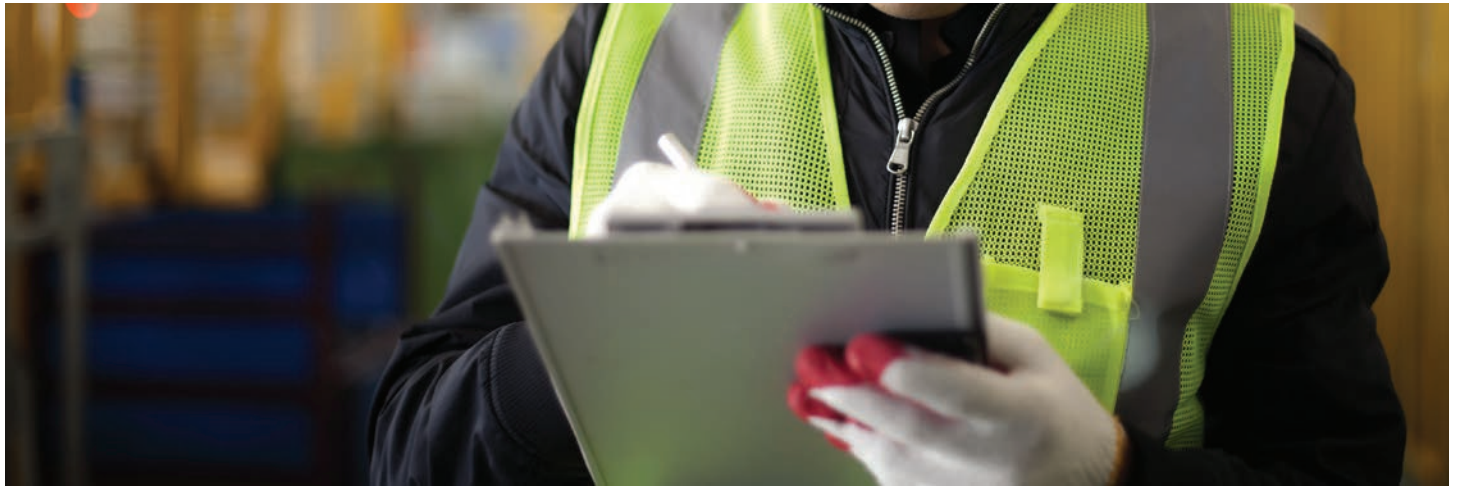


Effective maintenance control



Enhanced safety and environmental practices

# Hydraulic inspection



**Deliverable:** An Engineering Service Report outlines the condition of the hydraulic systems inspected, recommended actions to improve performance/reliability and estimated value of the service rendered.

## Common opportunity areas

- Contaminated lubricant
- Hydraulic system temperature too high or low
- Aeration of oil (foaming)
- Shock loading in system
- Hydraulic pressures too high
- Restriction in pump suction
- Inadequate filtration or maintenance practices
- Hose condition (where applicable)
- Leakage rates too high; low oil levels

## Safety, health and environment

Our field engineers are attuned to the hazards of handling, storing and using petroleum products, and strictly observe safety and environmental rules and ExxonMobil safety practices. They coordinate efforts through designated plant personnel – verifying electrical and mechanical lockout and proper tagging prior to working on equipment, and providing recommendations to help reduce hazards.

Industrial  
Lubricants



By helping you enhance equipment life and reliability – which minimizes maintenance costs and downtime – our expert services can help you achieve your safety, environmental care and productivity goals.