

Custom Hydraulic Service



For peak performance and profitability

Maintaining efficient hydraulics is a key to maximizing machine productivity and profits. Custom Hydraulic Service (CHS) is a detailed inspection service available through Cat® Dealers designed to keep today's hydraulics-intensive machines operating at peak performance.

Recommended annually or every 2,000 hours, CHS inspections performed by Cat Dealer Technicians include:

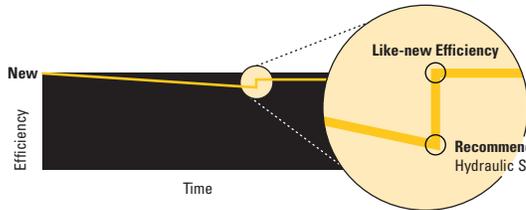
- Performance tests
- Visual inspection checks
- S-O-SSM Fluids Analysis
- Corrective action recommendations



CATERPILLAR®

Hydraulic systems can suffer undetected performance loss

Today's hydraulic systems operate with higher pressures and tighter tolerances that demand attention to contamination control. Dirt and other contaminants allowed to enter the system accelerate parts wear. Along with higher service costs, premature wear also can cause a loss of performance that may go undetected for a long time. Custom Hydraulic Service inspections identify when a machine's hydraulics aren't performing up to par and enable corrective action to be taken.



Studies show that hydraulic system efficiency can fall off by as much as 20% before detection by operators.

	JOB A	JOB B
Equipment	320 BL Excavator (1) D250E Trucks (2)	320 BL Excavator (1) D250E Trucks (2)
Haul road	3200 feet	3200 feet
System efficiency	80%	100%
8-hour shifts needed to complete job	15.3	12.2

Given the same two pieces of equipment doing the same job, a system working at 80% efficiency (Job A) requires three additional days of work, resulting in a major loss of productivity and a dramatic increase in operating costs.

CHS Inspections

Custom Hydraulic Service helps machine owners keep their hydraulic systems at peak efficiency. Recommended once a year or every 2,000 hours, CHS inspections performed by Cat Dealer Technicians include the following:

Performance tests:

- Engine performance
- Hydraulic cylinder drift
- Hydraulic system cycle times and pressure

Visual inspection checks:

- Hydraulic system
- Engine and cooling system
- Cab
- Electrical system
- Undercarriage
- Ground Engaging Tools

S-O-SSM Fluids Analysis:

- Extraction of oil sample from the hydraulic compartment
- Analysis of oil sample to determine contamination level, physical properties and wear material count

Corrective action recommendations:

Your Cat Dealer will...

- Analyze results of performance test, oil analysis and visual inspection
- Provide a detailed report
- Recommend repairs if needed, as well as changes to maintenance schedule

CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

