GENUINE HYDRAULIC PUMPS & MOTORS

CONVERT ENERGY INTO PERFORMANCE

CASE IH MAKES THE DIFFERENCE.
LET'S SEE HOW.

The key role of hydraulic pumps and motors.

A hydraulic pump is a mechanical device that converts mechanical energy into **hydraulic energy** (flow and pressure).
Hydraulic energy is **easier to transport** and **control** and can't be compressed, whereas air can't) to perform a variety of functions such as:
• **Lifting & lowering parts** (cutterbars, buckets, forks).
• Operating steering and braking systems.
• Operating hydraulic transmissions (with hydraulic motors).

A hydraulic motor converts hydraulic energy into mechanical energy. The hydraulic pressure and flow generate forces and **move** the motor shaft. A key part of hydraulic transmission, the motor is **able to deliver:**
• **High torque** at low speed.
• Force and torque at a constant level.
• Variable speed: (CVT or Powershift).
• Near instantaneous shift to reverse motion.

1. **The mechanical energy drives** the hydraulic pump to draw the oil from the tank.
2. **The flow of oil is transferred** to all hydraulic receivers, such as cylinders and motors, using the distributor switching function.
3. **The waste oil collected is filtered** and can be reinjected into the hydraulic circuit.

Why choose Genuine CASE IH hydraulic pumps and motors?

1. HIGH RELIABILITY OF PARTS
2. DRIVING COMFORT
3. INCREASED PRODUCTIVITY
4. PERFECT FIT FOR THE MACHINE
5. OPTIMISED HYDRAULIC SYSTEM
6. TIME SAVING ON THE IMPLEMENTATION

Did you know?

Get the best performance from your hydraulic system with CASE IH Genuine replacement Parts:
Hydraulic valves, distributors, cylinders, quick couplers, filters and lubricants.

Recommendations for use

HOW TO KEEP YOUR HYDRAULIC PUMPS AND MOTORS IN A GOOD CONDITION.

	RECOMMENDATIONS	RISK
FLUIDS	•**Change oil regularly** in accordance with the recommended maintenance intervals. •Use hydraulic oil with a **min/max viscosity which corresponds with the instructions provided by CASE IH** and the conditions of use: temperature, risk of pollution, fire hazard.	**Failure of major components, higher fuel consumption, lower performance.**
FILTRATION	•**Change your filters** regularly using **Genuine replacement parts**. A finer filtration reduces contamination and offers **better protection**. •Using a Genuine filter allows a minimal pressure drop for **better performance**.	**Pump piston and valve damaged, clogged cylinders, or high pressure drop.**
BREAKDOWN	•Sources of **pollution** (dust, air bubbles and particles) can damage your hydraulic circuit. •Ensure you consult a hydraulics expert during repair operations.	**Breakdown of components due to cavitation, overpressure or excessive temperatures.**

DISCOVER MORE

FUEL FILTER | AIR FILTER | BELTS | LIGHTS | ADBLUE | SEAT COVERS | BEARINGS | BATTERIES

FIND A DEALER

LET'S STAY IN TOUCH

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