



ACCESSORY DRIVEN TRAIN

LEAP

A NEW-GENERATION

POWER TRANSMISSION

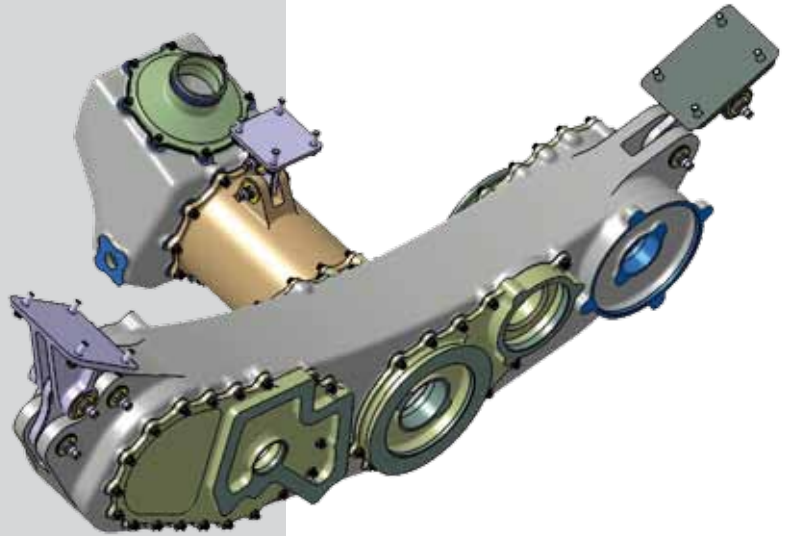
LEAP

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The Accessory Drive Train (ADT) on the new LEAP engine includes the accessory gearbox (AGB), the transfer gearbox (TGB) and the radial driveshaft (RDS).

Comprising gears and shafts, the ADT taps part of the jet engine's mechanical power and transmits it to engine and aircraft systems, including the fuel pump, the engine's lubrication system, starter, hydraulic pumps, and engine and aircraft electrical generators.



Hispano-Suiza teams up with Snecma in the development and production of three versions of the ADT for different versions of the LEAP engine: chosen by Airbus for the A320Neo (LEAP-1A), by Boeing for the 737 MAX (LEAP-1B) and by Comac for the C919 (LEAP-1C).



The new LEAP engine (Leading Edge Aviation Propulsion) being developed by CFM International will meet the requirements of aircraft manufacturers and operators, by reducing fuel consumption by 15% and nitrogen oxide (NOx) emissions by 50%.

TECHNICAL CHARACTERISTICS

(versus the CFM56 power transmission)

The performance challenges for the new LEAP engine are reflected in its Accessory Drive Train.

For instance, the solutions incorporated by Hispano-Suiza decrease the ADT's weight by 20%, while increasing power transmission capacity by 30%. The third major advantage is even higher reliability.

- > Max. power transmitted: 310 kW
- > Max. operating speed: 22,000 rpm

A WORLD LEADER IN POWER TRANSMISSIONS

Hispano-Suiza is a world leader in power transmissions for mainline commercial jets (over 100 seats). Since being founded, Hispano-Suiza has built up technical expertise that is recognized worldwide. Today, this expertise ranges from accessory gearboxes for business aircraft, to complete power transmission systems for large turbofans, as well as transmissions for helicopters, fighters and military transports.

COMBINING QUALITY AND PERFORMANCE FOR THE CUSTOMER'S BENEFIT

Hispano-Suiza offers power transmissions that combine reduced operating costs and impressive reliability, based on its ability to develop high-quality equipment and manage a robust supply chain.