

FPT Industrial wins AEA Environmental Award

Brazil's Association of Automotive Engineering (AEA) has recognized CNH Industrial's global powertrain brand for its study addressing the challenges of introducing API CJ-4 oil in Latin America.

London, June 19, 2017

A research study on agricultural equipment carried out by FPT Industrial has been awarded first place in the Technology category at the 11th annual Environmental Awards organized by the Brazilian Association of Automotive Engineering (AEA).

The awards ceremony in São Paulo, Brazil saw the attendance of representatives from Anfavea, the National Association of Automobile Manufacturers; Sindipeças, the National Union for the Automotive Components sector; Cetesb, the Environmental Agency for the State of São Paulo; Ibama, the Brazilian Institute for the Environment and Renewable Natural Resources, together with members from academia and the media.

FPT Industrial's study examined the challenges of introducing API CJ-4 oil in Latin America. It involved engineers from the manufacturer's plant in Sete Lagoas, Brazil and performed field tests in collaboration with oil and gas multinational Petronas. API CJ-4 oil is used in engines running on ultra-low sulfur diesel fuel and is essential for the durability and performance of new engines manufactured after 2007. This particular Akcela Unitek 10W-40 API CJ-4 oil from Petronas was conceived in Europe and developed in co-engineering with FPT Industrial for a tailor-made approach.

Experiments conducted on Case IH A8800 sugarcane harvesters generated a technological innovation benefiting both the agricultural sector and the environment. The results saw a 30% decrease in oil changes for Cursor 9 Mar-I/Tier3 engines. Historically during the harvest, sugarcane producers would require seven oil changes with API CI-4 lubricant. The study found that by switching to API CJ-4 oil, only five oil changes (every 500 hours of operation) were needed throughout the harvesting period.

At the end of the tests, the engines were dismantled and a comparative evaluation of the main components was conducted along with an oil analysis. No negative impact on the engines' lifecycle was detected and moreover by reducing the number of oil changes, less oil was discarded, thus providing an environmentally beneficial solution.

The results of the study conclude that the sugarcane harvesters spent more time in the field, increasing their efficiency and guaranteeing better productivity results for sugarcane producers.

The AEA Environmental Award is an important industry recognition which confirms FPT Industrial's commitment to technology and sustainability. The brand previously received an Honorable Mention in 2014 for a study on the "Performance and emissions of an engine operating with low hydrogen outflows."

CNH Industrial N.V. (NYSE: CNHI /MI: CNHI) is a global leader in the capital goods sector with established industrial experience, a wide range of products and a worldwide presence. Each of the individual brands belonging to the Company is a major international force in its specific industrial sector: Case IH, New Holland Agriculture and Steyr for tractors and agricultural machinery; Case and New Holland Construction for earth moving equipment; Iveco for commercial vehicles; Iveco Bus and Heuliez Bus for buses and coaches; Iveco Astra for quarry and construction vehicles; Magirus for firefighting vehicles; Iveco Defence Vehicles for defence and civil protection; and FPT Industrial for engines and transmissions. More information can be found on the corporate website: www.cnhindustrial.com

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