

## **New Cat® Bio HYDO™ Advanced hydraulic oil with high performance, and service life earns the prestigious EU Flower label**

A new biodegradable, non-toxic hydraulic fluid from Caterpillar®, Cat Bio HYDO™ Advanced, represents a significant development in bio-based oil technology equaling or surpassing the best characteristics of premium mineral-based oils, yet providing unmatched environmental protection.

Cat Bio HYDO Advanced sets high standards for performance, hydraulic-system protection and service life; it provides a potential 6,000-hour service life when monitored with Cat S•O•S<sup>SM</sup> Oil Analysis. Fewer oil changes, reduced disposal expense, less downtime and enhanced hydraulic-system protection combine to lower overall operating costs for the machine owner. The new hydraulic fluid maintains consistent wear protection through a wide ambient-temperature range, -30C (-22F) to 45C (113F), and retains its ability to flow easily through filters even when water is present. Cat Bio HYDO Advanced is manufactured from more than 90 percent renewable raw materials,

achieving the ready biodegradability classification. It decomposes readily and harmlessly in the presence of naturally occurring microorganisms in soil and water.



“Cat Bio HYDO Advanced presently is the only oil that conforms to, and actually exceeds, the new Cat BF-2 specification for biodegradable oil, “ explains Stephane Latini, Marketing Consultant at Caterpillar. “By comparison, using biodegradable hydraulic fluid that meets only the minimum criteria of the BF-1 specification (now obsolete) typically will result in

considerably reduced service life, higher operating costs and potential non-compliance with new environmental regulatory standards. The new fluid is also backward compatible with BF-1 fluids for all current and non-current Cat machines and we strongly recommend its use for all our customers.”



### **Eco-labeling**

The environmental friendliness of the new BF-2 fluid has earned Cat Bio HYDO Advanced the prestigious European Union (EU) Flower, an "eco-label" assigned only after a product has been thoroughly evaluated for performance, toxicology, environmental protection and utilization of renewable resources.

Cat Bio HYDO Advanced—thoroughly tested in both the laboratory and in the field to validate its exceptional wear protection, oxidation stability (anti-aging characteristics) and extended-drain-interval potential—is the best fluid for all Cat hydraulic systems. The new hydraulic fluid has been developed with an optimized formulation that gives very clean hydraulic systems resisting formation of varnish, gums and deposits. The new fluid also has very fast air release and high foam resistance thereby protecting pumps and the hydraulic system. No other fluid provides the unique combination of hydraulic-system protection and service-life longevity with such an exceptionally high level of biodegradability, low toxicity and extensive use of renewable raw materials. In short, no other hydraulic fluid promotes the concepts of sustainability and value for the customer more effectively than Cat Bio HYDO Advanced.