

TORQUE IT UP



JOHN DEERE

Genuine hydraulic and transmission oil

Hydraulic and power train systems are the workhorse for our John Deere machines.

They provide the power transfer to move the machine, operate attachments, implements and/ or accessories. These systems consist of a magnitude of moving parts that are operated or affected by hydraulic oil. The hydraulic oil lubricates, pressurises, disperses heat and carries contaminants constantly within the systems.

Therefore, it is important that you are choosing the correct oil for each application, with quality oil essential to longevity, smooth operation and maximum up-time. Not to mention the excessive costs for repairs for hydraulic and transmission components which can arise when the correct oil is not used.



John Deere Hy-Gard™ hydraulic oil

Hy-Gard is a multi-function hydraulic and transmission oil formulated to protect heavily-loaded gears, wet rakes, wet clutches, and hydraulic systems.

It is suitable for a number of applications, including transmissions and differential units with immersed wet brakes, gearboxes with hydraulic brakes, and gearboxes with hydraulic drive systems.

Performance tested

Both in the lab and in the field, and approved by John Deere engineers to meet the increased demands for performance and protection of transmissions and hydraulic systems.

Increases efficiency & decreases wear

A polymeric viscosity improver helps Hy-Gard™ to retain its proper viscosity over a wide range of operating temperatures. Hy-Gard™ works effectively because the proper viscosity allows it to flow readily through any part of the system. Oil that is too light can cause increased wear, weep past seals, and generate heat. Oil that is too heavy will cause sluggish operation and lower mechanical efficiency and fuel economy.

Reduces wet-brake chatter

Hy-Gard™ oil is formulated to maximise brake capacity with minimum brake chatter and wear. Better brake-chatter control provides smooth topping, reduced damaged from vibration, less noise, and longer brake life.

Superior wet-clutch performance

Hy-Gard's friction modifiers allow limited clutch slippage for smooth engagement, which reduces clutch wear and provides long life.

Superior high temperature performance

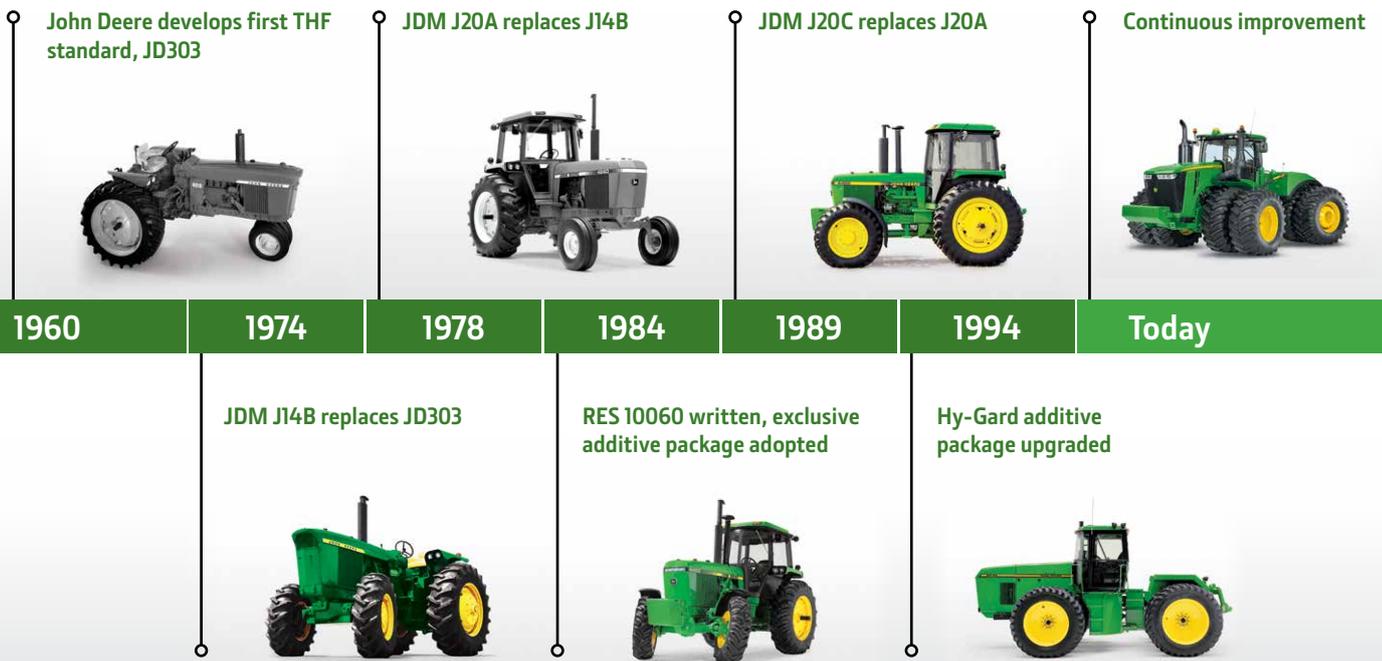
The antioxidation capability allows the oil to work properly at high temperatures, helping keep transmissions and hydraulic system parts cool and clean.

Contains superior anti-wear additives

Anti-wear additives keep gear and bearing wear to a minimum. The antiwear formulation of Hy-Gard™ develops a durable fluid film, which helps prevent metal-to-metal contact.



Evolution of Hy-Gard



ISO 68 high-performance hydraulic oil

ISO 68 is a premium, HVI type, hydraulic oil that provides sustained performance in high demand hydraulic systems where exceptional shear stability and wear protection is required.

It is suitable for sugar cane harvesters, construction, forestry, mining and industrial equipment and many farming implements. Features and benefits include:

- Advanced additive pack that provides excellent shear stability
- High resistant to oxidation and improved age stability
- Compatibility with a wide range of sealing material
- Rapid demulsification properties that prevent the creation of water and oil sludge
- Low friction capabilities that help to reduce wear and energy consumption at start up
- High Viscosity Index that ensures the oil maintains the correct viscosity under temperature stress



Not suitable as a transmission oil.



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