# Kubota Super UDT Fluid

- **Kubota Super UDT has been developed as per the stringent specifications of Kubota-Japan.**

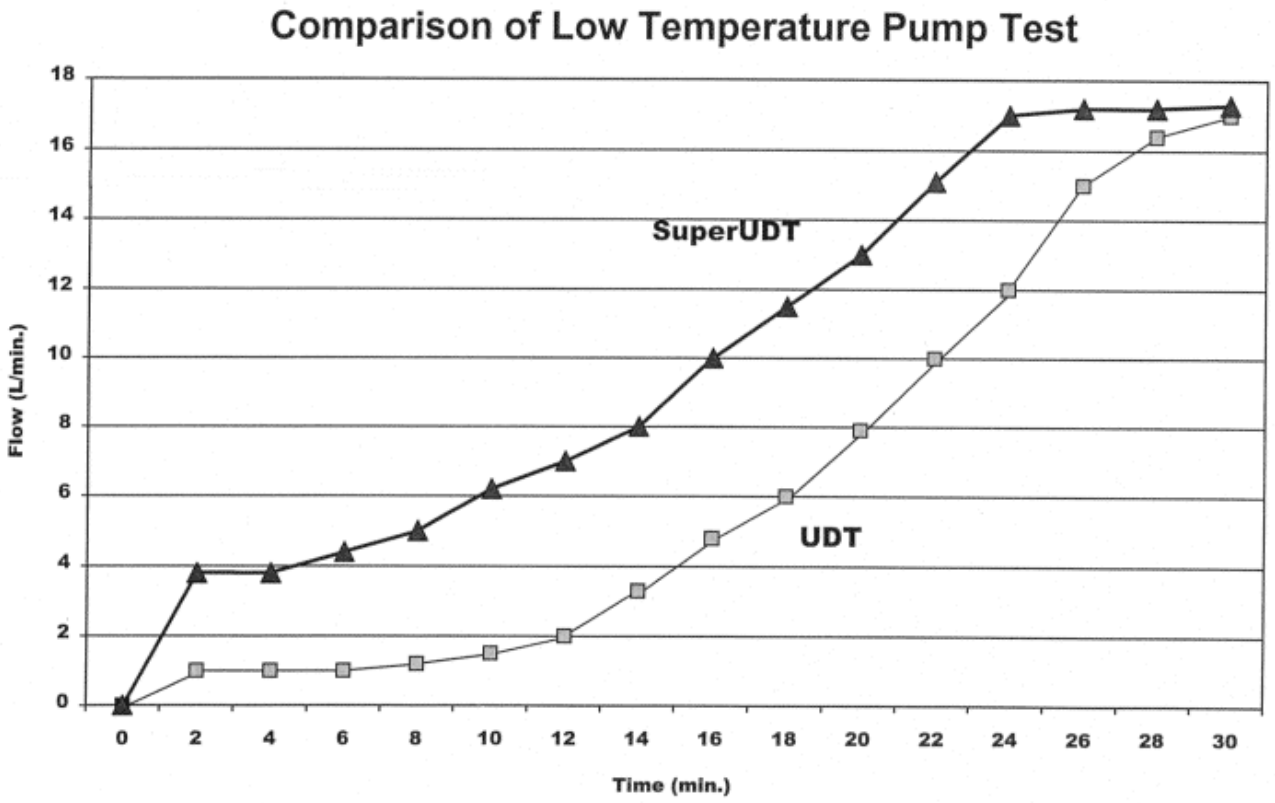
- **Kubota Super UDT has been formulated using premium base-stocks and optimized chemistry to deliver increased performance and durability.**

## Key Features

**Low Temperature Fluidity**

- **Kubota evaluates fluid performance in a pump test stand at -30degC.**

- **Improved flow for Super UDT compared to UDT and other commercial tractor hydraulic fluids.**




# Kubota Super UDT Key Features

## Kubota Super UDT provides

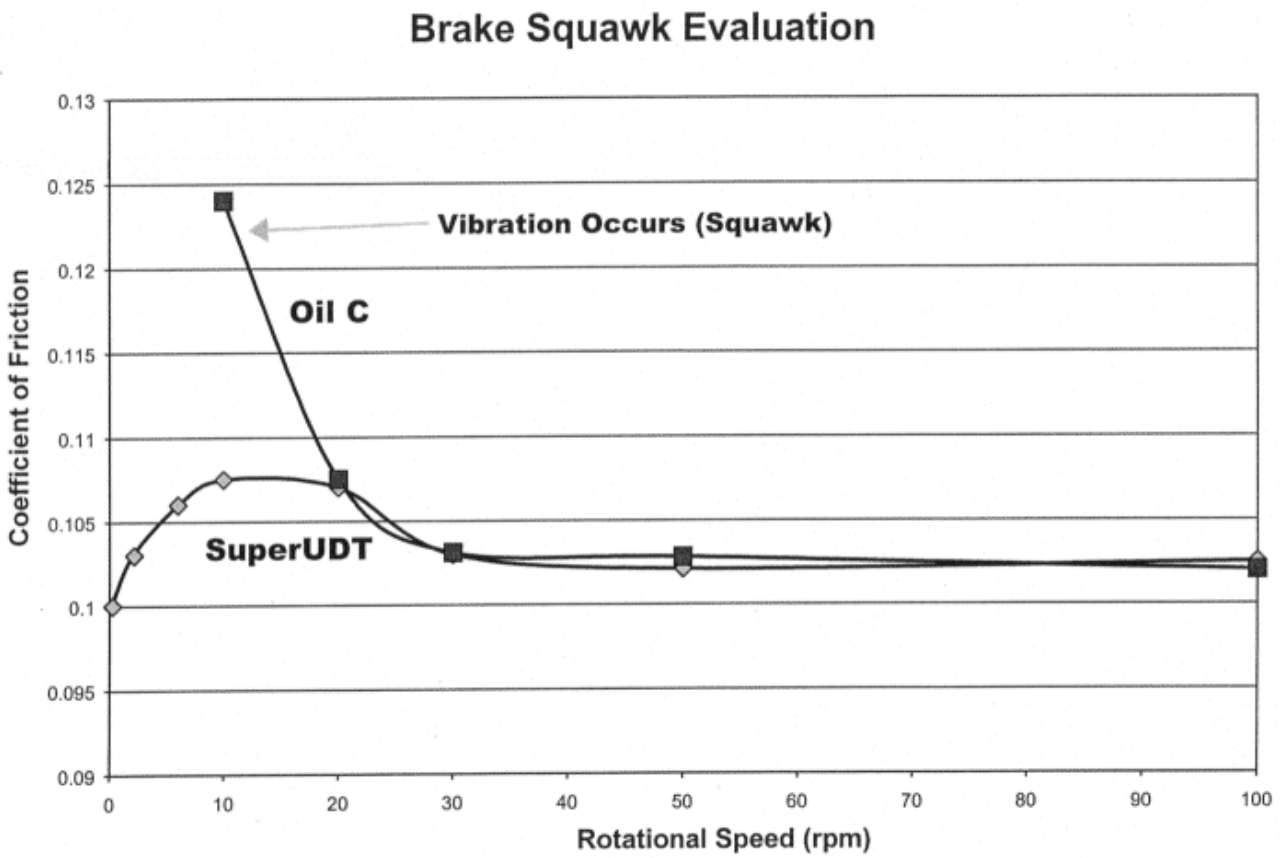
- **Improved hydraulic transmission control**
- **Smoother start of tractor's HST (hydrostatic transmission) at low temperatures**
- **Improved flow through filters during cold temperature start-up.**
- **Less wear on metal parts since Super UDT flows to critical contact areas during start-up.**

## Reducing Brake Squawk

- **Kubota evaluates a fluid's performance in SAE #2 machine and low velocity friction test.**

- **Oil "C" is likely to cause squawk in either wet brakes or transmission clutches.**

- **Kubota Super UDT is evaluated with transmission clutch and wet brake friction material.**

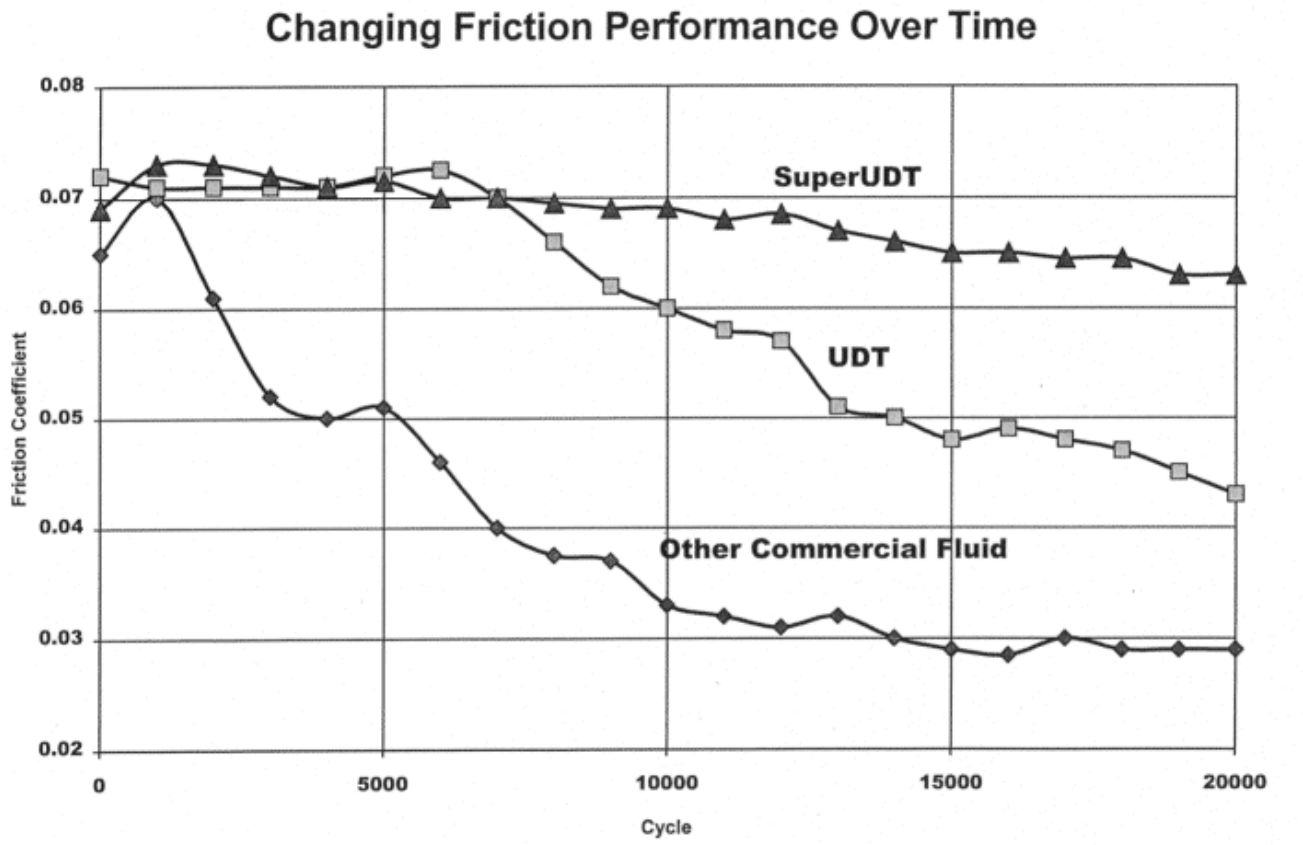



## Stable Friction Performance

- **Tractor fluids need to maintain friction properties during life of fluid, to insure proper operation of transmission clutches.**

- **Other oil shows deteriorating friction which can lead to poor/harsh shifting, lessened torque transfer and possible wet clutch failure.**

- **Super UDT is improved over previous UDT, offering longer friction stability. Testing is conducted in Kubota's own wet clutch test system.**




## Water Tolerance

- **Kubota Super UDT performance evaluated in the presence of water (0.2%-1.0%)**

- **Super UDT maintains**

**-Stable friction for clutches**
**-Smooth gear shifting**
**-No brake squawk even when water (0.2%) is mixed into oil**

- **Super UDT will not clog filter even when mixed with 1.0% water. Some fluids form sediment or solids that will clog or block important filters.**

# Kubota Super UDT features and benefits

| Features | Benefits |
|---|---|
| • **Water Tolerance** | • **No Rust- Reduces wear and tear on equipment**<br>• **Smooth gear shifts**<br>• **No brake squawk**<br>• **Longer equipment life** |
| • **Improved Shear Ability** | • **Fluid has correct viscosity at high temperature. No metal to metal contact**<br>• **Less shear of fluid means less power loss in hydraulic pumps**<br>• **Proper viscosity means proper transmission shifting**<br>• **Longer equipment life, less down time** |
| • **Low temperature fluidity** | • **Faster cold weather starts**<br>• **Less time needed for warm-up**<br>• **Hydraulics ready to operate with less jerking**<br>• **Less metal to metal contact**<br>• **Longer equipment life; less down time** |

| | |
|---|---|
| • **Unique friction characteristics** | • **Smooth gear shifts. Less operator shift shocks**<br>• **No brake squawk. Less operator fatigue**<br>• **Maintain brake capacity for safe stopping**<br>• **Clutches and brake pads last longer**<br>• **Improved equipment durability** |