

## **DELTA FARM EXCEL 10W-30**

### **High Performance, Super Universal Tractor Oil**

#### **Description**

DELTA FARM EXCEL 10W-30 has been designed to cover virtually all lubrication requirements on the farm with just one grade of oil. When formulating this grade, special account was taken of equipment manufacturer's recommendations and to the severe use to which farm implements are subjected. Using the latest additive technology available, together with the finest base oils DELTA FARM EXCEL 10W-30 is available as a truly universal lubricant for modern tractors, combine harvesters, agricultural machinery and general farm use.

#### **Applications**

##### **ENGINES**

This universal multigrade oil is suitable for most four stroke naturally aspirated and turbocharged diesel engines fitted on farm machinery, where it provides high standards of engine cleanliness and protection for moving parts. The special multigrade properties help overcome starting problems for exposed farm equipment during cold climate conditions and protects against wear from start up, right through to the highest operating temperatures.

##### **HYDRAULICS**

DELTA FARM EXCEL 10W-30 also performs well in all hydraulic systems on farm machinery, where it protects pumps, system components and rams against wear and corrosion right through the extremes of operating conditions and temperatures. A special antifoam additive is incorporated to release entrained air and help prevent sponginess in the system ensuring positive response in all hydraulic operations. This oil has also been designed for use in HYDROSTATIC transmissions on tractors, combine harvesters, where a universal type product is recommended by the manufacturer.

##### **TRANSMISSIONS**

In transmission systems, DELTA FARM EXCEL 10W-30 helps absorb shock loads and provide high load bearing properties for gears and other components. It can also be designed for farm tractors and other plant where the transmission contains oil immersed or 'wet brakes'. This oil has been formulated to reduce the tendency for the brakes to squeal or squawk, without impairing brake efficiency.

##### **POWER TAKE OFF**

DELTA FARM EXCEL 10W-30 ensures smooth take-up of PTO driven equipment. The incorporation of special friction modified additives ensure that the PTO clutch achieves smooth positive engagement without the "dog clutch" effect, where premature wear occurs on drive shafts, couplings and PTO driven gearboxes of farm machinery.

## Performance Levels

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DELTA FARM EXCEL 10W-30 meets or exceeds the following specifications and performance levels:

**Engine:** API CG-4, MB 227.1 / 228.1, ACEA E3  
**STOU:** Massey Ferguson M1139/1144/1145, Ford M2C159B/C, John Deere J27  
ZF TE-ML 06A / 06B (Incl. 06R) / O6C / 07B  
**Hydraulics:** Sperry Vickers / Eaton M2950S / 1-280-S,  
Sauer Sunstrand/Danfoss Hydrostatic Trans Fluid

## Physical Characteristics

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SAE Grade	10W-30
Density at 15 °C	0.881
Viscosity cSt at 100 °C	10.18
Viscosity cSt at 40 °C	65.80
Viscosity Index	140.0
Flash Point (closed) °C	195
Sulphated Ash	1.4
Pour Point °C	-27
TBN	10.5
CCS@-25, mPa's	6300

## Part numbers:

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VACC3008	205 litres
VACC3009	25 litres

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