

# MATRAX HEAVY CAT 30

## Description

A lubricant developed for use in transmissions, shafts, oil bath brakes and hydraulic systems requiring compliance with the Caterpillar TO-4 and the Detroit Diesel Allison C-4 specifications.

## Application

This high-quality lubricant has been carefully formulated with refined bases and detergent, dispersant, corrosion inhibitor, anti-wear and extreme pressure additives. Lubricant recommended for application in transmissions, shafts, oil bath brakes and hydraulic systems of equipment operating on and off road and requiring compliance with the Caterpillar TO-4 and the Detroit Diesel Allison C-4 specifications.

## Technical characteristics

Significantly improved friction and wear resistance: compared with fluids requiring compliance with the Caterpillar TO-2 specification  
Less brake noise: helps eliminate noise and ensure smoothness during braking when compared with fluids requiring compliance with the Caterpillar TO-2 specification; it also reduces the weakening of the binding agent of paper components, as well as elastomer weakness, extending the equipment's useful life  
Friction performance control: it has different friction modifiers (metallic and non-metallic) that allow for an excellent slip performance when clutching, loading or sliding  
Protection against wear and deposit formation: formulated to reduce both wear and deposit formation  
Excellent low-temperature fluidity: smoother starts with less wear in cold temperatures to extend the useful life of the transmission  
High resistance to foaming: high air release without excessive foaming to facilitate hydraulic power transmission

## Technical information

### Parameter

Kinematic viscosity @40°C (cSt) ASTM D 445  
Kinematic viscosity @100°C (cSt) ASTM D 445  
Viscosity index ASTM D 2270  
Density a 15°C (g/cm<sup>3</sup>) ASTM D 1298  
Flash point (°C) ASTM D 92  
Freezing point (°C) ASTM D 97

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97,8  
11,1  
95  
0,89  
240  
-20

## Approvals and Recommendations

Caterpillar TO-4/TO-4 M · API GL-4 · Allison C-4/TES-439 · Komatsu KES 07 868 1 · ZF TE-ML 03C/07F · Eaton Vickers M-2950-S/I-280-S · DANA OHTM-TO

All packaging must be stored in covered facilities. In cases where outdoor storage is unavoidable, the drums should be placed horizontally to prevent the possible infiltration of water, as well as their deformation. Products should not be stored above 60°C, exposed to direct sunlight or low temperatures. We advise you to read the safety data sheet carefully for more information on its use and handling.