



LUBRICANTS

POWER TO PERFORM

HP POWERFLO TO-4

Premium Quality Transmission and Drive
Train Oils

DESCRIPTION

HP POWERFLO TO-4 grades are premium quality transmission and drive train oils formulated from high quality hydro-treated base stocks and carefully selected additives, designed to meet the Caterpillar TO-4 lubricant specifications.

HP POWERFLO TO-4 grades maximize the life of the frictional materials in power-shift transmissions, eliminate the chatter in wet brake mechanisms and protect drive train gears against wear, used in off-road equipment.

APPLICATIONS

HP POWERFLO TO-4 grades are recommended for use in Caterpillar equipment having

- Power-shift and hydrostatic transmissions
- Wet brake mechanisms
- Differentials and final drives
- Hydraulics

The product can also be used in most of the other off-road equipment requiring an Allison C-4 fluid of the similar viscosity grade.

FEATURES & BENEFITS

- Balanced lubricity and other functional properties
- Unmatched performance in operation of power-shift clutches and wet-brake mechanisms
- Minimizes clutch-plate wear and brake chatter
- Minimizes wear in high pressure hydraulic pump systems
- Superior oxidation and deposit control to render new-like performance for longer service intervals
- Superior protection against rust and corrosion

MEETS OR EXCEEDS REQUIREMENTS OF

- Caterpillar TO-4
- Allison C-4
- Komatsu KES 7.868.1



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PHYSICO-CHEMICAL PROPERTIES

Parameters	10W	30	50	60
Ash, Sulfated, % wt	1.0	1.0	1.0	1.0
Kinematic Viscosity @ 100°C, cSt	4.1 min	9.3 – 12.5	16.3 – 21.9	22 – 26
Viscosity Index, Min	95	95	95	95
TBN, mg KOH/gm, Min	6.9	6.9	6.9	6.9
Flash point (COC), °C, Min	190	215	220	220