

# Balmerol® Prototrans TO 4 SAE Series

## Heavy Duty Power Shift Transmission Fluid

Technical Data Sheet

### Product Description:

Balmerol Prototrans TO 4 SAE Series are specially designed for heavy duty power shift transmissions. Balmerol Prototrans TO 4 SAE Series are formulated for extended drain intervals with high viscosity index mineral base stock and high performance selected additives for heavy duty power shift transmission performance.

Balmerol Prototrans TO 4 SAE Series meets the following specification:

- CAT TO-4
- Allison C4
- Komatsu KES 07.868.1
- Sperry Vickers / Eaton : I-280-S
- Sperry Vickers / Eaton : M2950S

### Features & Benefits:

Balmerol Prototrans TO 4 SAE Series provides the following benefits:

- Outstanding friction performance for enhanced clutch engagement
- Suitable for wet brakes
- Prevents slippage and glazing
- Resists high temperature oxidation, varnish and sludge formation
- Superb cold flow properties
- Protects gears and bearings
- Extended drain interval

### Applications / Recommendations:

- Balmerol Prototrans TO 4 SAE Series are recommended for heavy duty transmission application in Trucks, Off-Highway vehicles, Trailer Towing Vehicles, and Earth Moving Equipments etc. where gear and bearing loads and temperatures are high.

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## Typical Properties:

Balmerol Prototrans TO 4 SAE Series			
Properties	Prototrans TO 4 SAE 30	Prototrans TO 4 SAE 50	Prototrans TO 4 SAE 60
Appearance	Clear & Bright	Clear & Bright	Clear & Bright
Kinematic Viscosity, cst @ 100°C, ASTM D 445	11.20	18.50	26.29
Kinematic Viscosity, cst @ 40°C, ASTM D 445	96.75	201.85	340.84
Viscosity Index, ASTM D 2270	102	102	102
Flash Point (COC), °C, ASTM D 92	230	240	244
Pour Point, °C ASTM D 97	-18	-15	-15
Copper Strip corrosion @ 100° C, 2 hrs, ASTM D 130	1a	1a	1a

## Health and Safety:

Balmerol Prototrans TO 4 SAE Series is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

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