



# CMT™

## MANUAL TRANSMISSION FLUID

Royal Purple Industrial's CMT™ Fluid is a blend of premium mineral and synthetic lubricants and meets the requirements of Caterpillar TO-4; Allison C-4\*, ZF TE-ML 03C, ZF TE-ML 07F, Vickers 35VQ25A, and Komatsu KES 07.868.1 manual transmissions. CMT™ manual transmission fluid provides outstanding friction performance with both the metallic and nonmetallic friction materials found in today's hi-tech powershift transmissions. The frictional

characteristics in Royal Purple's CMT™ eliminate excessive brake noise and prevent clutch slippage — even under heavy loads on steep inclines. CMT™ provides excellent low temperature fluidity for easier cold weather starting, superior corrosion and rust protection, and maximum foam protection against entrained air.

## PERFORMANCE ADVANTAGES

### EXCEPTIONAL CORROSION & RUST

**PROTECTION** - Prevents internal damage to equipment from chemical attack

### SUPERIOR OXIDATION & THERMAL

**STABILITY** - Resists oil degradation and varnish formation for longer oil life

### OUTSTANDING SYSTEM PERFORMANCE -

Proprietary additive chemistry provides smooth shifts and quieter operation

**EXCELLENT COLD FLOW** - Premium, high-quality base oils provide low-temperature fluidity and lubrication at cold-start



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### TECHNICAL DATA

Property	Test Method	30*	50
<b>Viscosity @ 40°C, cSt</b>	ASTM D445	94.6	188
<b>Viscosity @ 100°C, cSt</b>	ASTM D445	11.7	18.4
<b>Viscosity Index</b>	ASTM D2270	113	109
<b>Specific Gravity</b>	ASTM D4052	0.886	0.848
<b>Flash Point, °C/°F</b>	ASTM D92	246 (475)	249 (480)
<b>Pour Point, °C/°F</b>	ASTM D97	-33 (-27)	-31 (-24)
<b>TBN, mg KOH</b>	ASTM D2896	8.5	8.5
<b>Copper Corrosion, @ 100°C</b>	ASTM D130	1B	1B
<b>Foam Test, Seq. II</b>	ASTM D892	0/0/0	0/0/0

2/25/2022