



## MANNOL TS-3 UHPD EXTRA 7103

### Specifications

SAE 10W-40  
API CI-4 Plus  
API CI-4/CH-4  
ACEA E7  
ACEA A3/B4  
JASO DH-1  
GLOBAL DHD-1

### Approval

### Recommendation

CATERPILLAR ECF-2  
CATERPILLAR ECF-1-a  
CUMMINS CES 20076  
CUMMINS CES 20077  
CUMMINS CES 20078  
DETROIT DIESEL 93K215  
MACK EO-N  
MACK EO-M Plus  
MAN M 3275-1  
MB 228.1  
MB 228.3  
MTU Type 2  
RENAULT RLD-2  
VOLVO VDS-3

### PACKAGING
