

## APPROVALS AND RECOMMENDATIONS

● APPROVED ○ SUITABLE FOR USE ◇ MEETS SPECIFICATION



Specifications	DURON UHP 10W-40	DURON-E 15W-40	DURON-E XL 15W-40	DURON-E Synthetic 10W-40	DURON 15W-40	DURON XL 15W-40
<b>ACEA</b>						
ACEA E6	◇					
ACEA E7	◇		◇		◇	◇
ACEA E9	◇	◇	◇	◇		
<b>DAF</b>						
DAF Standard Drain	●					
<b>DEUTZ</b>						
Deutz DQC III-10 LA	●			●		
<b>MAN</b>						
MAN 3477	●					
MAN 3275-1		●				
MAN 3275		○			○	○
MAN 3271-1	●					
<b>Mercedes-Benz</b>						
MB-Approval 228.51	●					
MB-Approval 228.31		●				
MB-Approval 228.3					○	●
MB 223.2 Specification for Gas Engines	●	●				
<b>MTU</b>						
MTU 3.1	●					
MTU Type 2.1		●				
MTU Type 2		○			●	●
<b>Renault</b>						
Renault VI RLD-3		●	●	●	●	●
Renault VI RLD-2	●				●	●
<b>Scania</b>						
Scania low ash	○*					
Scania LDF, LDF-2					○	○
<b>Volvo</b>						
Volvo VDS-4		●	●	●		
Volvo VDS-3	●	●	●	●	●	●
Volvo VDS-2		●	●	●	●	●
<b>API</b>						
API CJ-4		◇	◇	◇		
API CI-4 PLUS	◇	◇	◇	◇	◇	◇
API CI-4		◇	◇	◇	◇	◇
API CH-4		◇	◇	◇	◇	◇
API SN		◇	◇	◇		
API SM		◇	◇	◇		
API SL		◇	◇	◇	◇	◇
<b>Caterpillar**</b>						
Caterpillar TO-2		○	○	○	○	○
Caterpillar TO-2/Allison C4					○	○
Caterpillar ECF-1-a		○	○	○	○	○
Caterpillar ECF-2	◇	○	○	○	○	○
Caterpillar ECF-3		◇	◇	◇		
Caterpillar SEBU 6385		◇	◇	◇	◇	◇
<b>Cummins</b>						
Cummins CES 20076		●	●	●	●	●
Cummins CES 20077		●	●	●	●	●
Cummins CES 20078	○	●	●	●	●	●
Cummins CES 20081		●	●	●		
<b>Detroit Diesel</b>						
Detroit Diesel DEO 93K214		●	●		○	○
Detroit Diesel DEO 93K215		●	●		●	●
Detroit Diesel DEO 93K218		●	●	●		
Detroit Diesel 7SE270 2 Stroke Cycle***					○	○
Detroit Diesel 7SE272 (Series 2000/4000)		●			○	○
<b>Ford</b>						
Ford M2C171-C		○	○	○	○	○
Ford M2C171-D		○	○	○	○	○
Ford WSS-M2C171-E		●	●	●		
<b>General Motors</b>						
General Motors 9985930			○	○		
<b>Mack</b>						
Mack EO-M/ EO-M Plus		●	●	●	●	●
Mack EO-N	●	●	●	●	●	●
Mack EO-0 PP '07		●	●	●		
GLOBAL DHD-1					○	○
JASO DH-1			○	○	○	○
JASO MA, MA2		○	○	○		○

\* Approval pending with proven chemical technology.

\*\* Caterpillar does not offer approvals for their equipment, but suitable for use claims may be applied based on proof of performance.

\*\*\* Detroit Diesel recommends an SAE 40 grade only for two-stroke cycle engines, except where starting aids are not available or at very cold temperatures, when the use of an SAE 15W-40 or SAE 30 will facilitate starting.