# CITGO CITGARD® 700 SYNTHETIC BLEND ENGINE OILS



Date 12/16

#### **DESCRIPTION:**

CITGO CITGARD 700 Synthetic Blend Engine Oils deliver the performance needed for newer engine designs while improving performance in older engines. Engineered with a proprietary additive technology that protects engines running at higher operating temperatures and fuel injection pressures, while meeting tighter wear limits and lower emission requirements. SAE 10W-30 viscosity grade assists in attaining the new Phase II fuel efficiency standards by improving fuel economy, increasing cold start up lubrication, and providing superior engine durability.

## PERFORMANCE BENEFITS:

- SAE 10W-30 offers up to 3% fuel economy advantage over conventional SAE 15W-40 viscosity grade oils
- · Maintains viscosity over extended service drain intervals
- Up to 100% increase in oxidation protection compared to conventional CJ-4 engine oils Always follow OEM recommendations when extending oil drain intervals
- · Advanced wear protection in older and newer engines
- · Reduced air entrainment in high pressure hydraulic fuel injection systems

## RECOMMENDED

Equipment requiring:

Detroit Diesel DFS 93K 222

FOR:

API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/SN

Mercedes 228.31

(SN applies to 15W-40 only)

Paccar

Caterpillar ECF-3 Cummins CES 20086 Volvo/Mack/Renault - VDS-4.5/EOS-4.5/RLD-4

Ford WSS-M2C171-F1

Note: Use of diesel engine oils in automotive gasoline engines can shorten the life of catalytic converters.

#### **APPLICATIONS:**

CITGO CITGARD 700 Synthetic Blend Engine Oils provide superior performance for commercial trucks, agricultural equipment, construction equipment, stationary engines, and other diesel-fueled engine applications. Consult owner's manual for proper lubricant selection.

#### **API Comparison Chart**

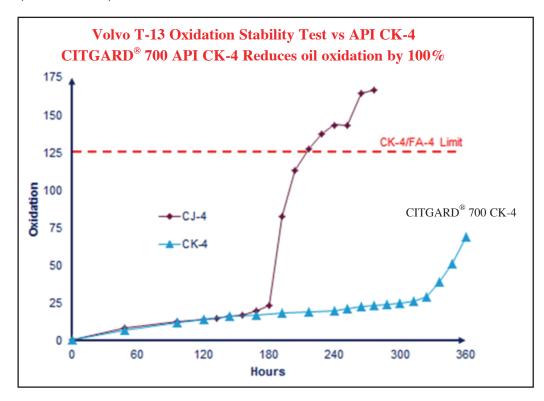
Category	CITGARD <sup>®</sup> 700 API CJ-4	CITGARD <sup>®</sup> 700 API CK-4
Back serviceable	YES	YES
Viscosity grades	15W-40/10W-30	15W-40/10W-30
Fleet million mile engine test rating	Better	Best
100% improved oxidation stability	NO	YES
Greater shear stability vs. conventional API CJ-4	YES	YES
Aeration control vs. conventional API CJ-4	Better	Best
SAE 10W-30 sustains improved fuel economy through 50,000 miles	Better	Best
Compatible with conventional API CJ-4 oils	YES	YES
Best Overall Performance and Backward compatibility	Better	Best

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#### **TYPICAL PROPERTIES:**

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10W-30	15W-40
622721001	622723001
31.6 7.25	30.5 7.30
0.87	0.88
80.9	111.9
11.9	15.2
142	141
6,159 @ -25°C	4677 @ -20°C
23,250 @ -30°C	19,968 @ -25°C
<35	<35
-38 (-39)	-33 (-36)
435 (224)	439 (226)
12.0	11.0
L3.0	L3.5
10	10
1.0	1.0
	622721001 31.6 7.25 0.87 80.9 11.9 142 6,159 @ -25°C 23,250 @ -30°C <35 -38 (-39) 435 (224) 12.0 L3.0 10

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