



## **CATCO XD SYNTHETIC 15W-40 (Low-Ash Gas Engine Oil for Buses)**

**CATCO XD SYNTHETIC 15W-40 GAS ENGINE OIL** is a premium low ash natural gas engine oil designed for service in 2-cycle and 4-cycle LPG and natural gas engines. It is formulated from synthetic base oils and a field-proven low ash additive package to provide maximum stability and outstanding performance for metropolitan bus fleets.

**CATCO XD SYNTHETIC 15W-40 GAS ENGINE OIL** is moderate in phosphorous content and compatible with catalytic converters.

LPG engines in bus fleets experience considerable stop-and-go action, which places a great deal of stress on the lubricants' ability to prevent formation of harmful deposit. **CATCO XD SYNTHETIC 15W-40 GAS ENGINE OIL** contains a highly effective detergent-dispersant system that minimizes sludge and varnish, and keeps engine parts clean. The result is optimum engine service life and performance, lower oil consumption, less maintenance and lower operating cost.

Another important feature of **CATCO XD GAS ENGINE OIL 15W-40** is its heavy-duty anti-wear additive system. The zinc in the formulation provides our highest level of wear protection, resulting in substantially improved engine reliability, especially in slider follower valve trains. It is formulated to a higher level of antiwear additive than our standard low-ash Catco Gas Engine Oil 15W-40.

**CATCO XD GAS ENGINE OIL 15W-40** contains corrosion inhibitors to protect metal parts from rust and corrosion. They also contain potent anti-oxidants to inhibit oil oxidation and nitration, giving the ability to "go

the distance", extend oil service life and reduce maintenance cost.

**CATCO XD SYNTHETIC 15W-40 GAS ENGINE OIL** minimize deposits and improves overall operation.

### **BENEFITS:**

- LOW ASH FORMULA PROVIDES EXCELLENT PROTECTION AGAINST WEAR, SLUDGE, VARNISH AND ASH DEPOSITS
- MINIMIZES RING STICKING, SPARK PLUG FOULING, PRE-IGNITION AND DETONATION
- COMPATIBLE WITH CATALYTIC CONVERTERS
- LOWERS OIL CONSUMPTION
- LOWERS MAINTENANCE COST

### **APPLICATIONS:**

**CATCO XD SYNTHETIC 15W-40 GAS ENGINE OIL** is intended for 4-cycle engines operating in especially severe conditions such as bus fleets where clean burning fuels are required to reduce air pollution and meet EPA mandates.

**CATCO XD SYNTHETIC 15W-40 GAS ENGINE OIL** is recommended for Cummins applications calling for CES 20074 (B&C only) in such CNG engines as Cummins B5.9 G and C 8.3 G or John Deere 6.8 L and 8.1 L. Also it may be used in Detroit Diesel 50-G natural gas-fueled engines.



# CATCO XD 15W-40 GAS ENGINE OILS (Low-Ash Gas Engine Oil)

## TYPICAL CHARACTERISTICS

SAE Viscosity Grade	15W-40
Product Code	NA
API Gravity (ASTM D-1298)	33.1
Viscosity (ASTM D-445):	
cSt @ 40°C	109
cSt @ 100°C	15
Viscosity Index (ASTM D-2270)	143
Pour Point (ASTM D-97) °F (°C)	-36 (-)
Flash Point (ASTM D-92) °F (°C)	XXX (236)
Sulfated Ash (ASTM D-874) %	0.5
Phosphorous Content, ppm	770
Zinc content, ppm	833
TBN (ASTM D-2896)	5.3
API Performance	CF-2, CD, CC

The above data is subject to usual manufacturing variation. For more information or availability, call 1-800-442-LUBE.  
12/05/2007