



CITGO® Pacemaker® Gas Engine Oil 15SL

OVERVIEW



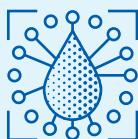
- A long-life, low ash stationary natural gas engine oil formulated with synthetic base stocks and an advanced additive system.
- Provides lubrication in engines that have been converted to natural gas fuel, such as those in liquid propane (LP) and agricultural irrigation pump service.
- Excellent oxidation and nitration resistance helps avoid sludge and oil thickening, which can plug oil filters and cause excessive foaming.

FEATURES & BENEFITS



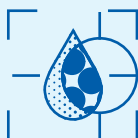
- Dramatically extended oil service life, compared with conventional engine oils.
- High shear stability.
- Special additives designed to minimize slider follower wear.
- Deposit control and wear protection of pistons, rings and liners.
- Effective oxidation and nitration control.

APPLICATIONS



- Recommended for use in stationary engines converted to natural gas, such as irrigation pump service and LP applications.
- Consult equipment manufacturer for proper lubricant selection.

PROPERTIES



Typical Properties for CITGO Pacemaker Gas Engine Oil 15SL:

| SAE Grade | 15W-40 |
|-------------------------------|-----------|
| Commodity Code | 632056 |
| Gravity, °API, ASTM D287 | 32.9 |
| Pounds per Gallon | 7.17 |
| Flash Point, COC, °F (°C) | 489 (254) |
| Viscosity ASTM D445 | |
| cSt at 40°C | 107 |
| cSt at 100°C | 15.1 |
| Viscosity Index, ASTM D2270 | 147 |
| Pour Point, °F (°C), ASTM D97 | -49 (-45) |
| Color, ASTM D1500 | L3.0 |
| Sulfated Ash, m%, ASTM D874 | 0.45 |
| Total Base Number, ASTM D2896 | 5.0 |
| Zinc, ppm | 900 |

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