



# SHELL MYSELLA<sup>®</sup> OIL LA

## Premium low ash natural gas engine oils

---

### Product Description

**Shell Mysella<sup>®</sup> Oils LA** are premium quality heavy-duty oils blended for use in highly-rated, spark-ignition engines which require a “low ash” oil. These natural gas engine oils are formulated with select base stocks and carefully chosen additives for optimum performance. **Shell Mysella<sup>®</sup> Oils LA** satisfy the new generation of stationary gas engines designed to meet the emerging legislation limiting emissions of NO<sub>x</sub>, and which employ the latest ‘lean’ or ‘clean’ burn technology.

### Applications

- spark-ignited gas engines fueled by natural gas
- all two- and four-stroke gas engines that do not call for ashless-type oils
- stationary gas engines such as:
  - Caterpillar
  - Colt-Fairbanks Morse
  - Cummins
  - Roline
  - White Superior
  - Climax
  - Copper Bessemer (4- Cycle)
  - Dresser-Rand Category II and III
  - Waukesha
  - Worthington (4-Cycle)
- natural gas-fueled engines -- whether operating on pipeline quality gas, sewer, biomass or landfill gas (except high halogen gases or those gases with levels of sulfur and hydrogen sulfide requiring oils with high levels of alkalinity)

**Note:** LPG engines in mobile service typically require API SJ or similar quality level motor oils

### Features/Benefits

- high oxidation and nitration resistance make **Shell Mysella<sup>®</sup> LA** oils excellent choices for use in many engines operating under high load and high temperature conditions
- applications (Alkalinity and Ash) involving sewer gas, biogas and most landfill gases are within the alkaline neutralization capability
- protects against valve recession
- protects against scuffing and wear
- formulated without the use of bright stock, which can contribute to carbon deposits, and port plugging in two-stroke engines
- use select detergent/dispersant chemistry to keep piston skirts and ring belts clean
- formulated with less than 300 ppm zinc to optimize antiwear performance, yet protect control systems catalytic converters

### Approvals

- Dresser-Rand for use in their Category II and Category III engines.

| Typical Properties of Shell Mysella® Oils LA |             |           |           |           |
|--|-------------|-----------|-----------|-----------|
|  | Test Method | SAE Grade |           |           |
|  |             | 30        | 40        | 15W-40    |
| Product Code                                 |             | 67188     | 67189     | 67179     |
| Viscosity:                                   |             |           |           |           |
| @ 40°C, cSt                                  | D 445       | 101       | 154       | 106       |
| @ 100°C, cSt                                 | D 445       | 11.0      | 14.5      | 14.5      |
| Viscosity Index                              | D 2270      | 92        | 92        | 140       |
| Gravity, °API @ 60°F                         | D 1298      | 27.5      | 27.0      | 28.5      |
| Pour Point, °C (°F)                          | D 97        | -18 (0)   | -18 (0)   | -30 (-25) |
| Flash Point, COC, °C (°F)                    | D 92        | 240 (465) | 249 (485) | 216 (420) |
| Neutralization No, TBN-E                     | D 2896      | 5.2       | 5.2       | 5.2       |
| Sulfated Ash, wt%                            | D 874       | 0.45      | 0.45      | 0.45      |
| Calcium, ppm                                 | X-ray       | 1200      | 1200      | 1200      |
| Phosphorus, ppm                              | X-ray       | 270       | 270       | 270       |
| Zinc, ppm                                    | X-ray       | 290       | 290       | 290       |

### Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.