

Shell MYSELLA® Oil LA

Premium low ash natural gas engine oils

Shell MYSELLA® 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® Oils LA satisfy the new generation of stationary gas engines designed to meet the emerging legislation limiting emissions of NO_x, and which employ the latest ‘lean’ or ‘clean’ burn technology.

Performance Features and Benefits

- High oxidation and nitration resistance make Shell MYSELLA® Oils LA 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

Main 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
 - Climax
 - Colt-Fairbanks Morse
 - Copper Bessemer (4-Cycle)
 - Cummins
 - Dresser-Rand (Category II and III)
 - Roline
 - Waukesha
 - White Superior
 - 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

Advice on applications not covered in this handbook may be obtained from your Shell representative.

Specifications, Approvals, and Recommendations

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

Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

Protect the Environment

Do not discharge into drains, soil, or water.

Typical Physical Properties

Shell MYSELLA® Oil LA	Test Method	SAE Grade		
		30	40	15W-40
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

These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.