



# SHELL OMALA<sup>®</sup> FLUIDS RL

Premium quality synthetic bearing and gear oils for severe operating conditions

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## Product Description

Shell Omala<sup>®</sup> Fluids RL are produced from synthetic hydrocarbon base fluids in combination with selected synthetic ester base fluids to produce high performance lubricants for severe operating conditions. These base fluids, along with carefully selected additives, offer exceptional performance.

Compared to conventional bearing and gear oils inhibited against rust and oxidation (R & O oils), Shell Omala Fluids RL provide outstanding rust and corrosion protection and significantly improved oxidation and thermal stability. Each Shell Omala Fluid RL has a high viscosity index and an extremely low pour point.

## Applications

- enclosed and lightly loaded industrial gear reducer systems operating under severe operating conditions, such as high temperatures, wide temperature variations and long oil servicing intervals
- "sealed-for-life" systems
- moderately loaded plain or roller bearings
- circulating oil systems where high oil temperatures and wide temperature variations prevail and long oil life is required

## Features/Benefits

- extended lubricant life
- improved system cleanliness
- compatibility with the elastomers, gaskets, seals and paints used in systems designed for conventional petroleum oils
- required flushing of systems not required because of compatibility with petroleum oils
  - excellent rust and corrosion protection
  - excellent oxidation and thermal stability
  - high viscosity index
  - low pour points
  - ANSI/AGMA 9005-E02

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## Typical Properties of Shell Omala® Fluids RL

	Test Method	ISO Viscosity Grades & AGMA Grades					
		68	150	220	320	460	680
Product Code		65135	65141	65137	65140	65139	65146
Gravity, °API	D 1298	32.8	32.6	32.5	32.5	32.4	32.6
Viscosity							
@ 40°C, cSt	D 445	68.3	147.8	206.4	312.0	451.3	627.0
@ 100°C, cSt	D 445	9.83	17.87	22.42	30.23	39.21	49.87
@ 100°F, SUS	(calc)	351.2	765.0	1074	1633	2374	3312
@ 210°F, SUS	(calc)	59.5	91.6	112	148	190	241
Viscosity Index	D 2270	126	134	132	133	133	135
Pour Point, °C	D 97	-58	-54	-45.5	-42	-39	-37
°F	D 97	-73	-65	-50	-44	-38	-30
Flash Point, COC, °F	D 92	550	540	545	540	550	535
Rust Test	D 665B	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	D 130	1a	1a	1a	1a	1a	1a
Four-Ball, Wear Scar Diameter, mm	D 2266	0.55	0.55	0.47	0.41	0.42	0.35
Neutralization value, mg KOH/gm	D 664	0.09	0.11	0.12	0.09	0.10	0.13

### 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/>.