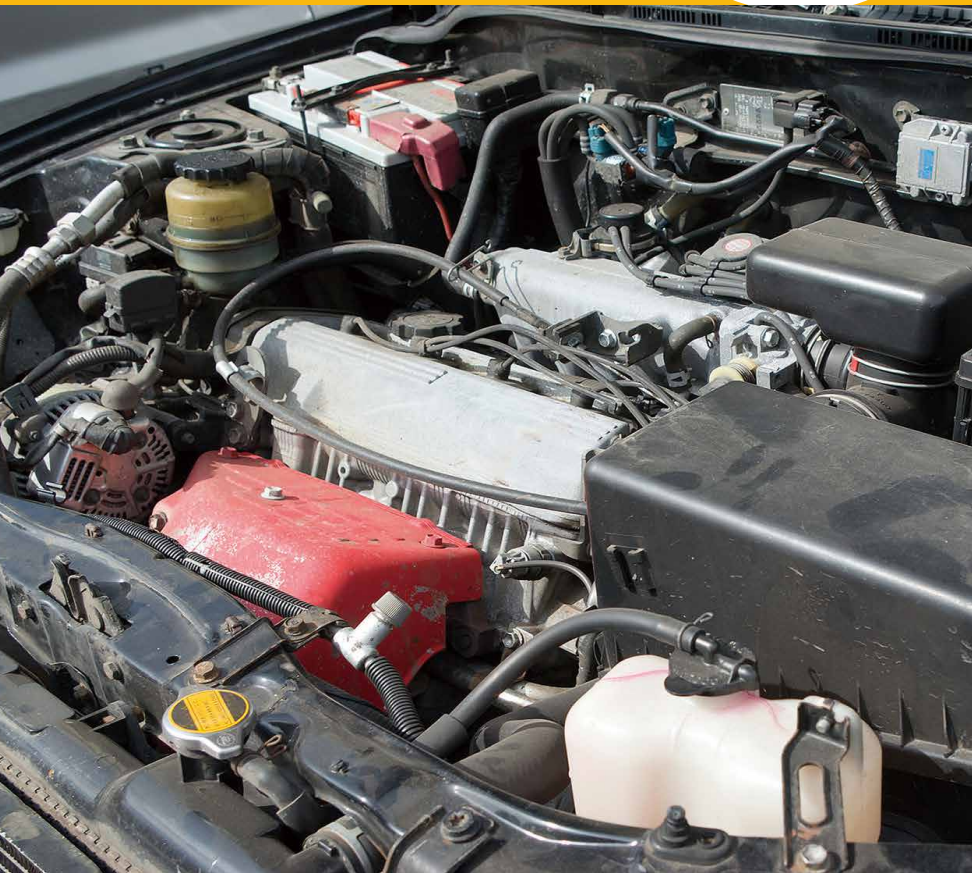




631

OMEGA 631 Superior Quality Engine Oil



Superior Quality Engine Oil

- *Meets the latest API Gasoline Engine Oil Classification*
- *Provides solid protection against oxidation and carbon residue at high operating temperatures*
- *Offers extra cleanliness to engines*
- *Available in SAE 10W40 & SAE 20W50*

TRUST OMEGA TO *Save Money
Enhance Performance
Extend Service Life*



TW
PERFORMANCE
POLYMERS & FLUIDS®



SPECIAL FEATURES

OMEGA 631 Superior Quality Engine Oil is a unique neutral lubrication oil engineered to optimize engine performance with its high purity lubrication characteristics

- **OMEGA 631** is the genuine all-climate engine oil suitable for extreme operating conditions
- **OMEGA 631** protects and extends service lifetime of high performance engines
- **OMEGA 631** ensures excellent lubricity with its premium paraffinic base stock and advanced additive package

OUTSTANDING PROPERTIES

Formulated with premium Pennsylvania paraffinic neutral oils and OMEGA's proprietary additive package, **OMEGA 631** offers the following unique performance characteristics:

- Strong resistance against oxidation & corrosion
- High viscosity ensures the most reliable engine protection in the most punishing conditions and temperature fluctuations
- Proprietary additive package includes OMEGA Megalite* for lubricity enhancement and detergent & dispersant against harmful sludge Classifications

USE FOR

OMEGA 631 Superior Quality Engine Oil is engineered to meeting and exceeding the most demanding engine specifications of major auto / equipment manufacturers.

Engineers and Maintenance Professionals use **OMEGA 631** for a wide spectrum of applications including:

- Rotary engines
- Gasoline (petrol) and light-duty, naturally aspirated diesel engines

OMEGA 631 meets or exceeds operational specifications of Ford, Rover, Mercedes Benz, Volkswagen, API & ACEA Classifications



ITW PPFK reserves the right to modify or change this product for purposes of improving its performance characteristics.
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The information contained in this publication is to the best of our knowledge and accurate at the time of issue in October, 2016

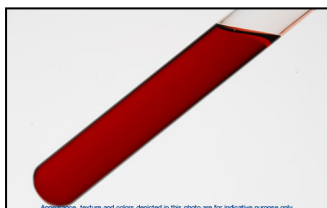


The Ultimate Lubricant

631

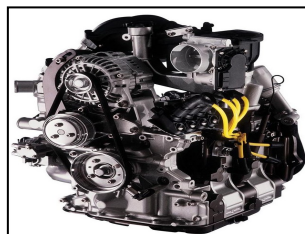
DESCRIPTION:

OMEGA 631 Superior Quality Engine Oil is a unique neutral engine oil engineered to optimize engine performance with its high purity lubrication characteristics. Guaranteeing an unmatched lubricity, OMEGA 631 significantly extends oil change periods and improves resistance to oxidation and corrosion. Its high viscosity ensures superior engine protection in the most demanding operating conditions and fluctuation in temperatures. OMEGA 631 is the genuine all-climate super engine oil.



QUALITY BASE STOCKS:

OMEGA 631 is manufactured from the highest quality Pennsylvania paraffinic neutral base stocks. This top quality base oil eliminates saturation caused by unfavorable molecular activity and oxidation. The paraffinic base stocks used by OMEGA are considered by petro-engineers as the finest that money can buy.



KEY BENEFITS:

- ❑ Optimized engine efficiency, yet with longest top-up / oil change cycle
- ❑ Suitable for use under extreme climatic conditions
- ❑ Genuinely made from prime Pennsylvania paraffinic neutral oils for the most reliable and outstanding lubrication performance
- ❑ Proven built-in versatility for the widest applications in virtually all engines – reduce stock-keeping costs for commercial fleets & industrial plants
- ❑ OMEGA's state-of-the-art proprietary Megalite* supplements coat and protect surfaces to minimize metal-to-metal contact

RESIDUE RESISTANT:

OMEGA 631 Super Quality Engine Oil offers outstanding lubricity as well as performance stability at high temperatures, therefore 'boiling-off' is prevented and effective lubrication is ensured. The risk of "boiling-off", normally as one of the major causes of carbon build-up with ordinary engine oils, is minimized with the application of OMEGA 631.

ADDITIVE PACKAGE ADVANTAGE:

OMEGA 631 Superior Quality Engine Oil is formulated with the most advanced additive package featuring the OMEGA's proprietary Megalite* supplements. OMEGA Megalite* enhances the overall lubricity by its unique polymeric protection characteristics.

OMEGA 631's advantageous additive package also contains detergent and dispersant additives that keep rocker covers, valve lifters, oil screens, pistons rings and lubricate surfaces free from harmful sludge.

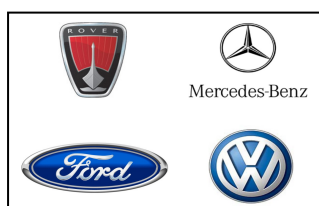
APPLICATIONS:

MEGA 631 Super Quality Engine Oil is approved for applications in all high performance gasoline engines. It is specially recommended for Rotary Engines.

OMEGA 631 is also suitable for gasoline (petrol) and light-duty, naturally aspirated diesel engines.

OMEGA 631 meets or exceeds the following operational specifications:

- ❑ Ford M2C-153E
- ❑ Rover RES.22.OL.G-4
- ❑ Mercedes Benz MB 229.1
- ❑ Volkswagen 502/505
- ❑ API Service Classifications: SM, SL, SJ/CF, CD
- ❑ ACEA Classifications: A3/B3/B4-08



OMEGA 631 meets or exceeds the engine specifications of major auto-manufacturers

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
		SAE 10W40
Appearance	-	Red
Density, Kg/L	D-1298	0.885
Viscosity, cP	D-2602	3063 at -25°C
Viscosity, cSt @ 40°C	D-445	103.3
Viscosity, cSt @ 100°C	D-445	14.0
Viscosity Index	D-2270	137
Flash Point, COC, °C (°F)	D-92	223(433)
Pour Point, °C (°F)	D-97	-36(-33)
Total Base Number, mg KOH/g	D-2896	8.88
Foaming Characteristics -		
All Sequences, After 10 Minutes Settling	D-892	Nil
Ash, Sulphated, % Mass	D-874	1.068
Calcium, % Mass	D-4951	0.273
Zinc, % Mass	D-4951	0.114
Nitrogen, % Mass	D-5291	0.081
Phosphorus, % Mass	D-4951	0.104

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.