



Ornate Max

Heavy Duty Diesel Engine Oil
SAE 20W50, API: CI-4/SL

Ornate Max is super quality diesel engine oil blended with special quality hydrocracked base fluid and premium additives. As it contains the anti-oxidant property at a great extend with premium additives and technology, it can reduce the carbon created at today's highly operating temperature, It reduces the oil consumption and extends the drain-interval much longer than that of conventional mineral base engine oil.

Ornate Max exceeds API: CI-4/SL standard and gives outstanding performance in all type of Japanese, European, American and Indian latest as well as old model vehicles for all weathers in the world.

BENEFITS

- Minimizes oil consumption.
- Highest engine protection.
- Very long drain intervals.
- All year round usability.
- Anti-wear & anti-oxidant.



TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS
SAE VISCOSITY GRADE	-	20W50
Appearance	ASTM D 4176	B & C
Color	ASTM D 1500	L 3.0
Density at 30°C gm/ml	ASTM D 4052	0.870
Kinematic Viscosity @ 40°C	ASTM D 445	172.8
Kinematic Viscosity @ 100°C	ASTM D 445	20.3
Viscosity Index	ASTM D 2270	138
TBN	ASTM D 5984	13.5
Flash Point °C	ASTM D 92	235
Pour Point °C	ASTM D 97	-21

Data Sheet



Furnishing the information contained herein does not constitute a representation by Sigma Oil Industries Limited that any product of process is free from patent infringement claims of any third party nor does it constitute the granting of a license under any patent of Sigma Oil Industries Limited or any third party. Sigma Oil Industries Limited assumes no liability for any infringement which might arise out of the use of the product. The information and suggestions to use and application presented herein represent the best information available to us and are believed to be reliable. They should not however be considered as controlling suggestions and users urged to conduct confirmatory test to determine final suitability for their specific end usage. Sigma Oil Industries Limited warrants only that it's products meet the specification which is set for them and specially **DISCLAIMS ALL OTHER WARRANTIES** relating to the products and the application thereof **EXPRESS** or **IMPLIED** including but not limited to warranties of **MERCHANTABILITY** and **FITNESS**.





Ornate Max

PERFORMANCE STANDARDS

- API : CI-4 / SL
- MB 229.1
- MB 228.1 /228.3
- ZF TE-ML07C
- ZF TE-ML04C
- Allison C-4
- VOLVO VDS-3
- Detroit Diesel DDC 93K214
- ACEA 2004 E7-04
- ACEA 1996 E2-05
- ACEA 1998 B3-02
- ACEA 1996 A2-03
- MTU Oil Category 1
- Caterpillar ECF 1
- MAN 271
- Cummins CES 20078
- Mack EO-M Plus
- Mack EO-N Premium plus 03

Data Sheet



Furnishing the information contained herein does not constitute a representation by Sigma Oil Industries Limited that any product of process is free from patent infringement claims of any third party nor does it constitute the granting of a license under any patent of Sigma Oil Industries Limited or any third party. Sigma Oil Industries Limited assumes no liability for any infringement which might arise out of the use of the product. The information and suggestions to use and application presented herein represent the best information available to us and are believed to be reliable. They should not however be considered as controlling suggestions and users urged to conduct confirmatory test to determine final suitability for their specific end usage. Sigma Oil Industries Limited warrants only that it's products meet the specification which is set for them and specially **DISCLAIMS ALL OTHER WARRANTIES** relating to the products and the application thereof **EXPRESS** or **IMPLIED** including but not limited to warranties of **MERCHANTABILITY** and **FITNESS**.

