CLAIMS:

1. A method of dewaxing a feed, comprising:

exposing a feed comprising a lubricant boiling range portion, the feed having an aromatics content of at least 5 wt% and an organic sulfur content of at least 50 wppm, to a dewaxing catalyst under effective dewaxing conditions to form a dewaxed effluent, the dewaxing catalyst comprising a zeolitic molecular sieve, a mesoporous binder, and at least 0.1 wt% of a Group VIII metal, the dewaxing catalyst have a ratio of zeolitic molecular sieve to binder of at least 75:25,

wherein the dewaxing catalyst has a density of less than 0.52 g/cm^3.

2. The method of claim 1, wherein the zeolitic molecular sieve comprises a molecular sieve having a ZSM-48 framework, a molecular sieve having a silica to alumina ratio of 70:1 or less, or a combination thereof.

3. The method of claim 1, wherein the zeolitic molecular sieve comprises a molecular sieve having a largest pore channel size corresponding to a 10-member ring.

4. The method of claim 1, wherein the zeolitic molecular sieve has a silica to alumina ratio of 60:1 to 70:1.

5. The method of claim 1, wherein the zeolitic molecular sieve has a silica to alumina ratio of 50:1 to 60:1.

6. The method of claim 1, wherein the zeolitic molecular sieve has a silica to alumina ratio of 40:1 to 50:1.

7. The method of claim 1, wherein the zeolitic molecular sieve has a silica to alumina ratio of 30:1 to 40:1.

8. The method of claim 1, wherein the dewaxing catalyst has a ratio of zeolite to binder of 75:25 to 85:15.

9. The method of claim 1, wherein the dewaxing catalyst comprises 0.1 wt% to 2.0 wt% of a Group VIII noble metal.

10. The method of claim 9, wherein the Group VIII noble metal comprises Pt, Pd, or a combination thereof.

11. The method of claim 1, wherein the mesoporous binder comprises silica, alumina, silica-alumina, titania, silica-titania, alumina-titania, zirconia, silica-zirconia, titania-zirconia, ceria, tungsten oxide, and combinations thereof.

12. The method of claim 1, wherein the feed has a sulfur content of 100 wppm to 1000 wppm and an aromatics content of at least 10 wt%.

13. The method of claim 1, wherein the feed has a T5 boiling point of at least 600ºF (316ºC), a T95 boiling point of 1100ºF (593ºC) or less; or a combination thereof.

14. The method of claim 1, wherein the feed comprising a lubricant boiling range portion comprises a hydrotreated effluent, a hydrocracked effluent, or a combination thereof.