CLAIMS:

1. A method for forming a hydrocarbon product, comprising:

exposing a feed comprising at least about 60 wt% of a catalytic slurry oil based on a weight of the feed to a hydrotreating catalyst in a fixed bed under effective hydrotreating conditions to form a hydrotreated effluent, a liquid portion of the hydrotreated effluent having a sulfur content of about 200 wppm or less and an API gravity of at least 5;

fractionating the liquid portion of the hydrotreated effluent to form a plurality of fractions having a T5 boiling point of at least 371°C;

processing at least a portion of at least one fraction of the plurality of fractions under conditions for formation of at least 5 wt% carbon black based on a weight of the at least one fraction.

2. The method of claim 1, wherein the at least one fraction has a combined sulfur and nitrogen content of about 200 wppm or less.

3. The method of claim 1, wherein the at least one fraction has a T5 boiling point of at least 454°C.

4. The method of claim 1, wherein the conditions for formation of carbon black comprise a furnace black process.

5. The method of claim 1, wherein processing at least a portion of the at least one fraction comprises processing at least a portion of two or more fractions, the two or more fractions being combined to form a combined fraction having at least one of a bimodal distillation profile and a multimodal distillation profile.

6. The method of claim 5, wherein the combined fraction is processed under conditions for forming carbon black, the carbon black comprising particles having at least one of a bimodal particle size distribution and a multimodal particle size distribution.

7. The method of claim 1, wherein the at least one fraction comprises one or more fractions having a T5 to T95 boiling range of about 20°C to about 40°C.

8. The method of claim 1, wherein the method further comprises separating the feed to form an effluent having a reduced particle content, the exposing the feed to a hydrotreating catalyst comprising exposing the effluent having a reduced particle content to the hydrotreating catalyst.

9. The method of claim 1, wherein the feed further comprises about 5 wt% to about 30 wt% of steam cracker tar based on the weight of the feed.

10. The method of claim 1, wherein the plurality of fractions comprise at least about 60 wt% polycyclic hydrocarbons based on a weight of the plurality of fractions.