

Hydrotreating of plastic pyrolysis oil: How to maximize the learnings from the first industrial plant

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PureStep™ is a chemical recycling technology for hydrotreating mixed waste plastic pyrolysis oil (PPO) and upgrading it to steam cracker quality naphtha. One of the main roles of hydrotreating is removal of a broad range of contaminants stemming from the mixed plastic waste. TOPSOE expects to have the first industrial PureStep™ reference unit up and running by the end of this year, and we have teamed up with the client in a close collaboration to maximize the learnings from this plant.

This presentation will address the efforts and main learnings from the preparation of the start-up, such as the application of our most recent knowledge on impurities removal and results from advanced analytical speciation techniques for contaminant identification and quantification.