

Oil Market Update: Searching for Stability

Challenges in the Refining Sector

John R. Auers, P.E.

Executive VP - Turner, Mason & Company



CSIS
Washington DC
February 21, 2019



IMO - Who Goes First?

Poor Company Financials
Charter Model Disincentives
LNG Retrofits Not Economic
Waste Disposal Issues

High Capital Cost
Long Lead Times
Permitting Hurdles
Refineries With Greatest Need are
Least Capable Financially



Both Ship's owners and refineries
delay (or don't have time for)
investments – leading to
surplus fuel oil in 2020



Impacts of IMO Regs.

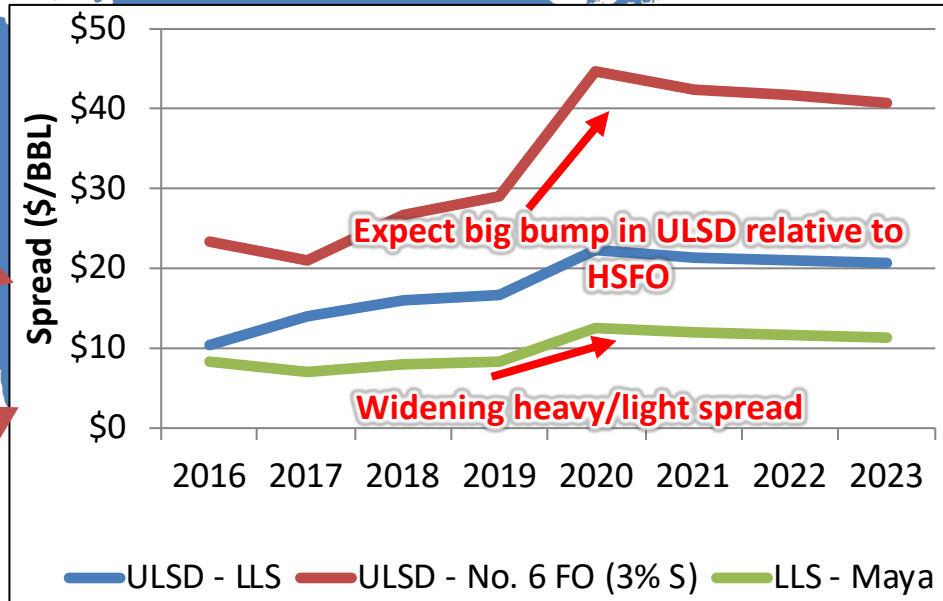
- U.S. Refineries – Limited FO production - 2.5%
- Most refiners will benefit from: higher distillate cracks/bigger heavy crude discounts
- Mexican refineries to take another hit – FO yields = 25%

- Refineries in the ROW also have higher FO yields – 11% on average but many >20%
- Will stress and likely lead to shutdowns of some uncompetitive refineries

Significant Enforcement Uncertainty

TM&C estimates about 2 Million BPD of fuel oil will be displaced by distillate

Gasoline margin impact dependent on VGO blending



Presenter



John R. Auers, P.E.

Executive Vice President – Turner, Mason & Company

- Univ. of Nebraska Chem. Engr.
- Univ. of Houston MBA
- Licensed Professional Engineer – Texas/Nebraska
- Formerly with Exxon
- Industry studies/analysis, forecasting, modeling, asset valuation, project assessment, strategic planning
- Leads Outlook team
- Publish weekly blog on industry issues
- Contact Info – jauers@turnermason.com
Office Direct – 972-918-5004 General – 214-754-0898