GTL Clean Energy – Cleaner by Design

Natural Gas Reforming → Syngas → Fischer-Tropsch Conversion → Syncrude → Product Upgrading

GTL fuel (CI) → GTL naphtha → GTL base oils → GTL kerosene → GTL wax → LPG

Approximate conversion rate: 10,000 scf of natural gas per daily barrel of product
Environmental Excellence
Effect of GTL Diesel Fuels on Emissions and Engine Performance, (Daimler 2003)

Change Against EU-Diesel [%]

Reference: EU-Diesel, 2003
Source: DaimlerChrysler

*Fuel Consumption volumetric
Visibly Cleaner

GTL fuel

Standard diesel
NiQuan monthly production = 62,400
X
4 barrels (3:1 blend ratio)
= 249,600 barrels of High Quality ULSD per month
GTL Fuel – The Drop-In Solution

• An on-spec paraffinic diesel fuel (European Committee for Centralisation, Technical Standard 15940).
• Essentially zero-sulfur - high performance and low emissions.
• High cetane - a cleaner burn enabling significant emissions reductions.
• Air quality improvement - reduced particulate matter and NOx.
• Reduced soot levels - extend oil change intervals and reduce engine wear.
• Can be used in diesel engines without modification.
• Can be blended with lower grade diesel to improve overall fuel quality.
• A very benign fuel to use, particularly in a marine environment.