Marine Lubricant outlook v.s. seaborne trade

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Discussion topics

- Oronite's marine lubricant model

- Changes over the years

- Link to seaborne trade

- Impact of the various (fuel) savings

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Forecast model *"the basics"*

Marine & PowerGen lubricant demand [Mt/y]

- F(x) : operating hours x operating load x installed power x SLOC

Forecast model   *"the basics"*

Marine & PowerGen lubricant demand [Mt/y]

- F(x) : operating hours x operating load x installed power x SLOC

Operating hours & operating load data for:
- 2 stroke Marine propulsion
- 4 stroke Marine propulsion
- 4 stroke Marine Auxiliary
- 2 stroke PowerGen
- 4 stroke PowerGen (continues, peak and standby operations)

Installed power data, based on:
- Marine: Lloyd's List Intelligence database (split by OEM)
- PowerGen OEM information & Diesel & Gas Turbine annual report

SLOC (specific lube oil consumption) [g/kWh], depending on:
- OEM
- Engine type/year build   *regularly checked with real field data*
- Sulfur level in the fuel

Forecast model   *> 2009*

Marine & PowerGen lubricant demand [Mt/y]

= operating hours x operating load x active power x SLOC

Forecast model *> 2009*

Marine & PowerGen lubricant demand [Mt/y]

- F(x) : operating hours x operating load x active power x SLOC

Operating hours & Operating Load data for marine & PowerGen + *Slow steaming & EEDI correction and other fuel saving initiatives………..*

Active power based on:
- Installed power data [MW]
- Seaborne trade data [ton.miles]

SLOC (specific lube oil consumption) [g/kWh], depending on:
- OEM
- Engine type/year build   *regularly checked with real field data*
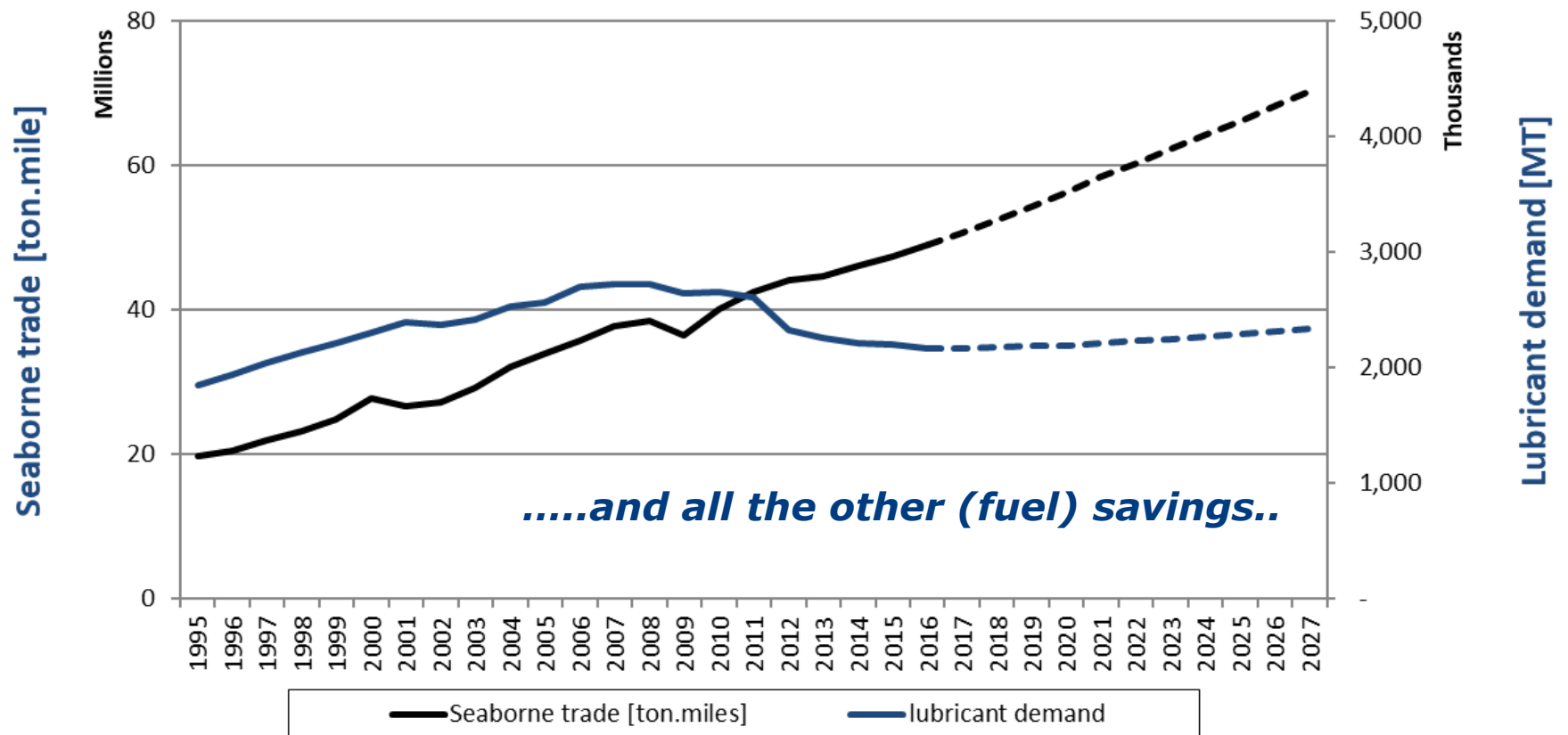- Sulfur level in the fuel

Seaborne trade & lube demand

Global Marine Lubricant demand (MCL/SO/TPEO) & Seaborne trade
Lubricant demand: 2017 Chevron Oronite marine model
Seaborne trade data: 2017 Lloyd's List Intelligence data

.....and all the other (fuel) savings..

THANK YOU!

One more question……

Bunkerfuel outlook

Does anybody here has any idea why Bunkerfuel outlook's quite often have a very steep growth curve in the outlook years?

…compared to the historical data – while seaborne trade is still projected to be around 3-4% …….

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