



HELPING IMPROVE EFFICIENCY WITH NEXT-GENERATION TURBINE OILS



WHEN COMPARED TO TYPICAL TRADITIONAL GROUP II/III BASE OILS*

SHELL GTL BASE OIL

A high-quality base material used in Shell's premium finished lubricants



Higher viscosity index



Better additive response



Lower volatility



Better oxidation stability when additivated

WHY GTL?

Base oil produced from purified natural gas at a molecular level results in a significantly more consistent and stable product than conventional base oils



BENEFITS OF USING TURBINE OILS WITH GTL BASE OILS**



Enhanced system efficiency



Enhanced protection



Longer oil & equipment life



Less equipment wear

TODAY'S TURBINES NEED TO WORK HARDER THAN EVER BEFORE



- Greater demand for less downtime, extended oil-drain intervals and efficiency improvements
- Turbine sump volumes are shrinking in size while handling the same or increased power
- Cyclic operating conditions are placing more stresses on turbines
- Increased operating temperatures drive requirements for greater component protection
- Increased load on gearboxes

BENEFITS OF THE SHELL TURBO S4 RANGE OF TURBINE OILS

EXTENDED OIL LIFE

Exceptional resistance to degradation



- To help keep your turbine working for longer. In tests, Shell Turbo S4 X performed twice as well as the industry standard.

EXCELLENT EQUIPMENT PROTECTION

Long-term resistance to formation of sludge & varnish



- To help reduce the risk of bearing temperature issues and control valve positioning problems.

EXCELLENT SYSTEM EFFICIENCY

Rapid air release, rapid water separation, foaming resistance



- For effective lubrication over a wide temperature range and reduced opportunity for corrosion to occur.

ALL HELPING TO MAKE TURBINE OPERATION MORE EFFICIENT

*There are five technical groups of base oil defined by the American Petroleum Industry (API) based on saturates and sulphur levels, and viscosity index, namely API, I, II, III, IV, V

** When tested against market representative products