HELPING OPTIMISE TURBINE EFFICIENCY AND REDUCE TOTAL COST OF OWNERSHIP
SHELL OMALA S5 WIND

MANAGING WIND TURBINE DOWNTIME IS A MAJOR INDUSTRY CHALLENGE

Damage to gears including micro-pitting is a top concern for wind farm managers1
Gearbox failures result in the highest amount (21%) of turbine downtime2

Of all wind turbine failures:
67% are bearing failures2
25% are from gears2

FOR WIND TURBINE GEAR OILS, BALANCED PERFORMANCE IS CRITICAL

Suitability for wide range of operating temperatures
Protection for bearings even when contaminated with water
Foaming control, with rapid air release
Compatibility with seals and paints
Protection for gears
Long oil life in service
Cleanliness control and fine filterability

SHELL OMALA S5 WIND 320 CAN HELP REDUCE DOWNTIME AND LOWER MAINTENANCE COSTS

- Protects the gearbox to help extend equipment life
- Faster start-up for better speed to grid
- Helps improve turbine availability
- Helps enable performance in extreme temperatures
- Helps maintain clean systems
- Longer oil drain intervals

BEHIND SHELL OMALA S5 WIND 320

LONG OIL LIFE

- 2.5 times better oxidation stability than best-performing competitor3
- Helps limit gearbox sludge formation

STRAIGHT WEAR AND CORROSION PROTECTION

- High scuffing resistance even at low speeds5
- High micropitting resistance
- Excellent resistance to corrosion even in salt water6

OUTSTANDING LOW TEMPERATURE CHARACTERISTICS

Low pour point and excellent low temperature fluidity4
- Faster start up in cold climates
- Protects the gearbox in a range of temperatures

SUPERIOR FILTERABILITY* AND STRONG FOAM PREVENTION

- Fast air release7
- Minimal foam even after 50,000 cycles8
- Low maintenance and operational costs