

## Product Data Sheet

### Aquilon LS

#### Description and Applications

**Saheli Aquilon LS** is a superior quality Marine Cylinder Lubricant (MCL) designed for modern low speed crosshead diesel engines operating on low sulphur heavy fuel oils with a sulphur content of maximum 1.5%.

**Saheli Aquilon LS** is specifically formulated with balanced additive technology to ensure good control of detergency, wear and oxidation at 40 TBN level.

**Saheli Aquilon LS** also provides improved protection from adhesive and corrosive wear in modern crosshead engines operating at higher pressures and temperatures.

#### Features and Benefits

- Superior thermal and oxidation stability reduces deposit and sludge formation.
- Excellent detergency minimizes deposits on critical parts viz. pistons, piston rings, ring grooves and cylinder ports.
- Enhanced anti-wear property minimizes liner and ring wear leading to reduced maintenance costs.
- Good compatibility with all normal seal materials.
- Reduced ash level helps in avoiding excessive piston top land deposits, which may occur when using 70 TBN oils with low sulphur fuels.

#### Applications

- Cylinder lubrication of the latest, highly rated low speed crosshead marine diesel engines operating on low sulphur heavy fuels with a maximum sulphur content of 1.5%.
- The feed rates recommended by the manufacturer should be maintained as the minimum
- Higher feed rates may be required when running new liners and/or rings.
- Recommendations of the relevant engine builder must be fully complied while selecting cylinder oil as expert views on low sulphur fuels are still evolving.

| Test Parameters                       | Test Method       | Typical    |
|---------------------------------------|-------------------|------------|
| <b>SAE Viscosity Grade</b>            | <b>SAE (J300)</b> | <b>540</b> |
| Density @ 15°C gm/cm <sup>3</sup>     | ASTM D1298        | 0.922      |
| Viscosity Index                       | ASTM D2270        | 96         |
| Viscosity @ 100°C, mm <sup>2</sup> /s | ASTM D445         | 18.25      |
| Pour Point °C                         | ASTM D 97         | -18        |
| Flash Point (COC) °C                  | ASTM D 92         | 242        |
| TBN, mgKOH/g                          | ASTM D2896        | 40.3       |
| Sulphated Ash, %wt                    | ASTM D874         | 5.25       |