

# FIE Class Locomotive

|                       |                           |
|-----------------------|---------------------------|
| Manufacturer:         | UGL Limited               |
| Model:                | C44ACi                    |
| Build Date:           | 2014                      |
| Quantity Operated:    | Three                     |
| Locomotive Numbers:   | FIE001 – FIE003           |
| Load Category:        | AC6 (1:40 grade – 1,500T) |
| Speed Category:       | N/A                       |
| Drawbar Capacity:     | 2.25MN                    |
| Maximum Speed:        | 115km/h                   |
| Fuel Capacity:        | 13,500L                   |
| Length over Couplers: | 22.00m                    |
| Live Weight:          | 134.0T*                   |
| Dead Weight:          | 147.4T*                   |
| Axle Load:            | 22.3T*                    |
| Wheel Gauge:          | 1,435mm (Standard)        |
| Engine:               | GE 7FDL16 EFI             |
| Gross Power:          | 4,500hp/3,355kW           |
| Continuous T/E:       | 453kN@21km/h              |
| Adhesion:             | 33%                       |



*'The C44ACi represents a large step forward for Australian locomotive design. The use of AC traction technology, controlling each axle independently, results in unprecedented adhesion rates and haulage capacity.'*

\*Based on a controlled maximum fuel load of 7,300L