



## REGULUS R&O OILS

**Regulus R&O** oils are very good performance turbine oils specially designed for use in geared and non-geared steam turbines, gas turbines and combined cycle gas turbines (CCGT) including gas turbines operating at high temperatures and possesses outstanding thermal and oxidation stability, good load carrying capacity, excellent water separability, superior rust and corrosion inhibition, low foaming tendency, good air release properties and resistance to chemical degradation to provide excellent equipment protection, reliable operation, with reduced down-time and extended service life. **Regulus R&O** oils exceed the performance requirements of specifications of major gas and steam turbine manufacturers.

**Regulus R&O** oils have outstanding thermal and oxidation stability that prevents sludge formation, controls deposits and minimizes oil degradation leading to reliable operation. Superior anti-wear property and load carrying capability provide excellent protection for geared turbines. Excellent water separation capability resists formation of emulsion and leads to easy removal of excess water from the lubrication system. Effective rust and corrosion inhibitors provide long term protection to critical system components and good air release properties and foam control avoid erratic operation and pump cavitations leading to trouble free operation. **Regulus R&O** oils are recommended for power generation gas turbines, combined cycle gas turbines (CCGT), large heavy-duty industrial gas turbines, power generation and industrial steam turbines and turbines with heavily loaded gears and turbo compressors.

### Specifications: DIN 51515-1

ISO Viscosity Grade	22	32	46	68	100	150	220	320	460	680
Density, g/cc, D 4052	0.861	0.871	0.877	0.881	0.883	0.885	0.888	0.89	0.89	0.9
Kin. Viscosity Cst at 40°C	22	32	46	68	100	150	220	320	460	680
Kin. Viscosity Cst at 100°C	4.3	5.4	6.8	8.7	11.2	14.6	18.8	24	31	42.5
Viscosity Index, D 2270	>98	0.98	>98	>98	>97	>96	>95	>95	>95	>95
COC Flash, D 92, °C	>175	>195	>195	>205	>220	>225	>230	>235	>240	>250
Pour Point, D97, °C	-25	-24	-22	-21	-20	-18	-15	-12	-9	-9
P.Code	1691	1692	1693	1694	1695	1696	1697	1698	1699	1700

Color Varies from Country to Country. Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. Advice and opinion noted herein are given in good faith and on the basis of the best information available, information is based on past history of the grade only and must not be construed as a guarantee of performance nor any legal liability is accepted by Tesla Corporation or any of its affiliates. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available with your nearest TESLA office or at [www.teslalube.com](http://www.teslalube.com). © Tesla Corporation, 2023

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### TESLA Techno Products FZE

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