

# SERIOLA 1510



*Heat transfer fluid*



Mineral based heat transfer fluid.

## UTILISATIONS

- Heating of domestic and industrial premises,
- Production of steam and hot water,
- Air conditioning,
- Temperature control for storage bins,
- Heating by heat exchange,
- All types of systems (piping, pumps, etc...),
- Heating of heat treatment baths, autoclaves, reaction vessels, furnaces, dies, tunnel driers, injection moulding machines, etc...,
- Manufacturing processes (cement works, paper mills, timber industry, etc...).

## SPECIFICATIONS

International standards

- ISO 6743/12 class L family QC.

## ADVANTAGES

Running, safety,  
Longlifetime

- **SERIOLA 1510** is formulated with selected basestocks which own the following properties:
  - good thermal stability
  - high flash point
  - high viscosity index.

TYPICAL CHARACTERISTICS	METHODS	UNITS	SERIOLA 1510
Density at 20 °C	ISO 3675	kg/m <sup>3</sup>	870
Viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	30.6
Viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	5.2
Cleveland flash point (open cup)	ISO 2592	°C	230
Cleveland fire point (open cup)	ISO 2592	°C	260
Self ignition point	ASTM E 659	°C	353
Pour point	ISO 3016	°C	- 12
Conradson carbon residue	ISO 6615	% weight	0.01
Bulk temperature limit*	-	°C	310
Limit temperature of oil film*	-	°C	330

Above characteristics are mean values given as an information.

\* Without air contact.

TOTAL LUBRIFIANTS  
INDUSTRIE

19-09-2016 (supersedes 17-12-2015)

SERIOLA 1510

1/2



## Seriola 1510

### Thermodynamic Data

T (°C)	Specific Heat (kJ/kg.°C)	Thermal Conductivity (W/m.°C)	Density (kg/m <sup>3</sup> )
0	1.790	0.135	883
10	1.825	0.134	876
15	1.843	0.134	873
20	1.860	0.134	870
30	1.895	0.133	863
40	1.930	0.132	857
50	1.965	0.132	850
60	2.000	0.131	844
70	2.035	0.130	837
80	2.070	0.129	831
90	2.105	0.129	824
100	2.140	0.128	818
110	2.175	0.127	811
120	2.210	0.127	805
130	2.245	0.126	798
140	2.280	0.125	792
150	2.315	0.125	785
160	2.350	0.124	779
170	2.385	0.123	772
180	2.420	0.122	766
190	2.455	0.122	759
200	2.490	0.121	753
210	2.525	0.120	746
220	2.560	0.120	740
230	2.595	0.119	733
240	2.630	0.118	727
250	2.665	0.118	720
260	2.700	0.117	714
270	2.735	0.116	707
280	2.770	0.115	701
290	2.805	0.115	694
300	2.840	0.114	688
310	2.875	0.113	681