



## Typical Physical Characteristics

Shell Tellus Oil	T15	T37	T46	T68	T100
<b>ISO Oil Type</b>	HV	HV	HV	HV	HV
<b>Kinematic Viscosity</b>					
@ 0 °C cSt	79	296	392	637	1041
20 °C cSt	31	90	116	179	276
40 °C cS	15	37	46	68	100
100 °C cSt	3.8	6.9	8.1	10.9	14.5
(IP 71)					
<b>Viscosity Index</b>					
(IP 226)	150	150	150	150	150
<b>Density @ 15 °C kg/l</b>					
(IP 365)	0.877	0.872	0.876	0.880	0.884
<b>Flash Point °C</b>					
(Pensky-Martens Closed Cup)	150	185	180	186	190
(IP 34)					
<b>Pour Point °C</b>					
(IP 15)	-42	-39	-39	-36	-30
<b>Air Release Value</b>					
Minutes to 0.2% air @ 50°C	3	4	6	8	10
(IP 313)					
<b>Aniline Point °C</b>					
(IP 2)	90	98	99	103	107
<b>Copper Corrosion</b>					
3 hours @ 100 °C	Class 1	Class 1	Class 1	Class 1	Class 1
(IP 154)					
<b>Foaming Characteristics</b>					
Sequence 1,					
Tendency/Stability, ml @ 24 °C	20/Nil	30/Nil	30/Nil	30/Nil	50/Nil
Sequence 2,					
Tendency/Stability, ml @ 93.5 °C	10/Nil	20/Nil	40/Nil	40/Nil	40/Nil
Sequence 3					
Tendency/Stability, after test @ 93.5 °C,					
ml @ 24 °C	20/Nil	30/Nil	30/Nil	30/Nil	50/Nil
(IP 146)					
<b>Neutralisation Number</b>					
mg KOH/g	1.0	1.0	1.0	1.0	1.0
(IP 139)					
<b>Rust Preventing Characteristics</b>					
Synthetic Sea Water procedure	No rust	No rust	No rust	No rust	No rust
(IP 135B)					
<b>Water Separability</b>					
Minutes to 40-40-0 @ 54 °C	20	20	20	30	30
(ASTM-D1401)					(82 °C)

These characteristics are typical of current production. Whilst future production will conform to Shell's specification variations in these characteristics may occur.