



## Aral Kosmol TL 32

Turbine oil type L-TDP

### Applications:

Aral Kosmol TL 32 is a highly ageing resistant solvent refined with a balanced active substance combination, for improving corrosion protection and aging resistance. This product fulfills the requirements of DIN 51515-2 with a great margin of reserve. This product also fulfills the requirements of the turbine manufacturers of repute (e.g. Blohm and Voss, MAN-Energie and ABB). Aral Kosmol TL 32 is a L-TDP type turbine oil.

Aral Kosmol TL 32 has an outstanding ageing stability, a favorable viscosity temperature behavior, good air release properties and an excellent foaming behavior. This product also offers a high wearing and optimal corrosion protection as well as very good water separation ability. Malfunctions, deposit and sludge formation, as well as corrosion in circulating and control systems are prevented.

Aral has successfully submitted this product to the strict requirements of the high-quality standard DIN EN ISO 9001. This certification gives you an additional safety assurance with this products quality and the service that can be expected from Aral.

### Operational area:

Aral Kosmol TL 32 is for the lubrication of steam, gas or water turbines as well as for sophisticated circulating systems (e.g. machine tools). This product can also be used for the lubrication of hydraulic systems, clutches and gears.

### Technical Data

Turbine oil type		DIN 51515	L-TDP
Viscosity Index		DIN ISO 2909	105
Viscosity			
20 °C	mm <sup>2</sup> /s	DIN 51562	84
40 °C	mm <sup>2</sup> /s	DIN 51562	32,4
100 °C	mm <sup>2</sup> /s	DIN 51562	5,6
Density at 15 °C	g/ml	DIN 51757	0,863
Flash point COC	°C	DIN ISO 2592	218
Pourpoint	°C	DIN ISO 3016	-20
Neutralization number	mg KOH/g	DIN 51558-1	0,2
Oxide ash	Gew. %	DIN EN ISO 6245	0,03
Water separation ability	s	DIN 51589	100
Air release time at 50 °C	min	DIN 51381	<4
Corrosiveness			
on copper	Korr. Grad.	DIN EN ISO 2160	1 - 100 A 3
on steel	Korr. Grad.	DIN ISO 7120	O - A
Ageing characteristics			
Increase n.n. after 1000 h	mgKOH/g	DIN 51587	<2,0
FZG test A/8,3/90	SKS	DIN 51354-2	7

**Remarks:**

<br>

All data is subject to development for the product and the production process.

Version-No.: IS0008