



# R K PETROLEUMS

Where Quality Comes First



## TURBINE OIL

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# ARKO TURBONOL 32 / 46 / 57 / 68

## Application:

ARKO TURBONOL 32, 46, 57 and 68 are premium quality turbine oils designed for turbines and hydraulic systems that require a very longdrain interval with a dependable lubricant. These oils are recommended for lubrication of turbo-compressors and suitable also for lubrications of plain as well as journal type bearings in steam, gas and water turbines.

## Standards:

ARKO TURBONOL turbine oils are formulated using high quality paraffinic base stock. Each grade of ARKO Turbo oils meet OEM turbine specifications as per BHEL and GE. They also conform to IS:1012-2002 (Reaffirmed to 2013), BS:489-1983 and German Standard DIN 51515 Part I.

## Advantages:

ARKO TURBONOL turbine oils possess very high oxidation and chemical stability to resist corrosive action. They also have excellent demulsibility, antifoaming and anti-wear properties that provide effective protection from rust and corrosion. These oils also enable the release of entrained air from the system, thus preventing possible cavitations, air locks, etc. which usually impact turbine efficiency. These advantages add up to high thermal stability and in turn longer service life of the system.

## Typical properties:

Sr. No.	Characteristics	Test Method	ARKO TURBONOL			
			32	46	57	68
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	2	2	2	2
3	Flash point, COC, °C min.	ASTM D 92	215	215	215	215
4	Pour Point, °C, max.	ASTM D 97	-15	-12	-12	-6
5	Kinematic viscosity at 40 °C, cSt min.	ASTM D 445	32	46	57	68
6	Viscosity index, min.	ASTM D 2270	100	100	100	100
7	Rust test, 24 hrs.	ASTM D 665 (A&B)	Complies	Complies	Complies	Complies
8	TAN mg KOH/gm, max.	IS:1448 P:2	0.15	0.15	0.15	0.15
9	Demulsibility at 54 °C (40-40-0)	ASTM D 1401	0.07	0.07	0.08	0.08
10	Foaming tendency / stability	ASTM D 892				
	Seq I at 24 °C mL/mL		0/0	0/0	0/0	0/0
	Seq II at 93.5 °C mL/mL		0/0	0/0	0/0	0/0
	Seq II at 24 °C mL/mL		0/0	0/0	0/0	

**PACKING:** 20ltr, 35ltr, 50ltr, 210ltr

The above properties are typical values and do not constitute specification of the product.

Disclaimer: R K PETROLEUMS makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the product for the application contemplated by the users is solely their responsibility.

# ARKO TURBONOL T32 / T46 / T68

## Applications:

ARKO TURBONOL T grades T32, T46 and T68 are premium quality turbine oils for turbines and hydraulic systems that require very long drain intervals and a dependable lubricant with effective anti-wear properties. These turbine oils are recommended for lubrication of turbo-compressors and suitable also for lubrications of plain as well as journal type bearings in steam, gas and hydraulic turbines.

## Standards:

ARKO TURBONOL T grade turbine oils are manufactured from high quality paraffinic base stock. These oils conform to performance standards of IS-1012-2002 (Reaffirmed to 2013); BS: 489-1983; OEM: BHEL and GE turbine specifications; German Standard DIN 51515; and General Electric GEK 27070.

## Advantages:

ARKO TURBONOL T grade turbine oils possess very high oxidation and chemical stability to resist corrosive action. They also have excellent demulsibility, antifoaming and anti-wear properties that provide effective protection from rust and corrosion. These oils enable the release of entrained air from the system, thus preventing possible cavitations, air locks, etc. which usually affect turbine performance. These advantages add up to high thermal stability and in turn longer service life of the system.

## Typical properties:

Sr. No.	Characteristics	Test Method	T32	T46	T68
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	0.5	0.5	0.5
3	Flash point, COC, °C, min.	ASTM D 92	210	210	220
4	Pour point, °C, max.	ASTM D 97	-12	-18	-9
5	Kinematic viscosity at 40 °C, cSt	ASTM D 445	31	47	67
6	Viscosity index, min.	ASTM D 2270	110	118	115
7	Rust test, 24 hrs.	ASTM D 665 (A&B)	Complies	Complies	Complies
8	TAN mg KOH/gm, max.	IS:1448 P:2	0.07	0.07	0.07
9	Demulsibility at 54 °C (40-40-0)	ASTM D 1401	10	10	10
10	Foaming tendency/stability				
	Seq I at 24 °C mL/mL	ASTM D 892	0/0	0/0	0/0
	Seq II at 93.5 °C mL/mL		0/0	0/0	0/0
	Seq II at 24 °C mL/mL		0/0	0/0	0/0
11	FZG load bearing characteristics	DIN 51354	11th	11th	11th

**PACKING:** 20ltr, 35ltr, 50ltr, 210ltr

The above properties are typical values and do not constitute specification of the product.

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- ❖ SILICONE EMULSION
- ❖ GREASES
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- ❖ RUBBER PROCESS OILS
- ❖ BASE OILS
- ❖ PETROLEUM JELLY
- ❖ WAXES
- ❖ INDUSTRIAL SOLVENTS
- ❖ PLASTISIZERS
- ❖ ALL TYPES OF RAW RUBBER

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