

RENOLIN DTA

High quality Turbine oils.

Description:

RENOLIN DTA series is blended from highly refined, virgin base oils and high-tech additives. These Zinc free oils have excellent oxidation & thermal stability, rust & corrosion protection, anti-foaming, air-release and demulsification properties. They can be used in hydraulic systems and gearboxes requiring mild EP properties. The grades are specially developed for steam and gas turbine systems.

Specifications & Performance Levels

ARAMCO 26-SAMSS-45
DIN 51515-1
DIN 51524-1 HL
DIN 51517-2 CL
GEK 32568 F (ISO 32)
GEK 101941 A (ISO 32)
Siemens TLV 901304 (ISO 32 & 46)
Solar ES9-224–Class II (ISO 32 & 46)

Features

- One product for steam & gas turbines and high pressure compressors (with or without gearboxes)

- Excellent oxidation & thermal stability
- High rust & corrosion protection
- Excellent water separation properties
- Excellent Anti-foam properties
- Good air release properties
- Good load carrying capacity
- Excellent TOST & RPVOT (RBOT) values

Applications:

- For lubrication of steam and gas turbines in severe operating conditions (with or without gearboxes).
- For high pressure compressors.
- Journal bearings.
- Hydraulic systems.
- Gearboxes requiring mild EP properties.
- Control units.
- Pumps.
- Closed circulation systems.

CHARACTERISTICS

Properties	Units	Value				Test Methods
ISO VG		32	46	68	100	DIN 51519/ ISO 3448/ ASTM D-2422
Density @ 35 °C	Kg/m ³	863	868	871	877	ASTM D-4052
Colour	-	<1.0	<1.0	1.0	<2.0	ASTM D-1500
Viscosity @ 40 °C	mm ² /s	32.2	46.2	68.9	99.0	ASTM D-445
Viscosity @ 100 °C	mm ² /s	5.49	6.9	9.0	11.0	ASTM D-445
Viscosity Index	-	106	105	105	95	ASTM D-2270
Total Acid Number	mg KOH/g	0.10	0.10	0.10	0.12	ASTM D-664
Flash Point	°C	230	238	240	240	ASTM D-92
Pour Point	°C	-12	-12	-9	-9	ASTM D-97
Air Release	min.	4.0	4.0	5.0	5.0	DIN 51381 / IP 313
Foaming Sequence I Sequence II Sequence III	ml/ml	0/0 10/0 0/0	10/0 10/0 10/0	10/0 10/0 0/0	10/0 20/0 10/0	ASTM D-892
Demulsibility	ml/ml/ml (min)	40-40-0 15	40-40-0 15	40-40-0 15	40-40-0 20	ASTM D-1401
Rust Inhibition, Iron protection	rating	Pass	Pass	Pass	Pass	ASTM D-665A
Corrosion, Copper strip, 3hrs @ 100°C	rating	1a	1a	1a	1b	ASTM D-130
FZG gear test (A/8.3/90) Failure load stage	-	10	10	10	10	DIN 51354
TOST life, Time to 2 TAN	hrs	>3500	>3500	>3500	>2000	ASTM D-943
RPVOT (RBOT)	min.	>900	>900	>900	>700	ASTM D-2272
CIGRE Test Total Oxidation Products Sludge Contents of TOP	% g/100ml	0.3 0.16	0.3 0.16	0.3 0.16	0.3 0.16	IP 280
Ash oxide	%	Nil	Nil	Nil	Nil	ASTM D-482

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While the information and figures given here are typical of current production and confirm to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the product

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ISO 14001
OHSAS 18001
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