

Balmerol® Protomac T 57 / T 68

Premium Circulating & Turbine Oil

Technical Data Sheet

Product Description:

Balmerol Protomac T - Series are high quality long life lubricants for various circulating systems including steam, hydro and gas turbines. Balmerol Protomac T - Series oils are manufactured using Hydroprocessed, High VI Group II basestocks and carefully selected additives to provide excellent oxidation and thermal stability, water separability, resistance to foaming and corrosion. They have superior air release property for which is extremely essential for turbine lubrication.

Balmerol Protomac T 57 / T 68 oils meet IS: 1012-2002, BS 489 and DIN 51524, Part 1 specification

Features & Benefits:

Excellent thermal & oxidation stability

Provides extended oil life, reducing overall lubrication cost

Lower sludge and deposit generation, reduces filter choking, lower maintenance cost and ensures reliable operation

Excellent water separability

Ensures better lubricant film and bearing protection

Good Anti – Foam characteristics

Reduces cavitation, less damage to components, lower maintenance cost

Zinc Free

No negative impact on environment

Balmerol Protomac T - Series helps reduce overall maintenance and operating costs, which helps increase “Productivity”.

Applications / Recommendations:

Balmerol Protomac T - Series oils are recommended for steam, hydro and gas turbines. These oils can also be used for circulating and hydraulic systems.

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Typical Properties:

Balmerol Protomac T - Series		
Properties	Protomac T 57	Protomac T 68
Viscosity, ASTM D 445		
cst @ 40°C	57	67
cst @ 100°C	8.1	9.1
Viscosity Index, ASTM D 2270	110	110
Pour Point, °C ASTM D 97	- 15	- 15
Flash Point, °C ASTM D 92	240	240
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	1a	1a
Rust Characteristics, ASTM D665		
ASTM D 665/A	Pass	Pass
ASTM D 665/B	Pass	Pass
Foam Sequence, ASTM D 892, stability after 10 minutes		
Sequence I	Nil	Nil
Sequence II	Nil	Nil
Sequence III	Nil	Nil
Neutralization No, TAN mg KOH/ gm	0.3	0.3
Air Release, minutes, DIN 51381	4.3	4.3
Demulsibility, minutes, IP 1448:P91 (40 - 40 - 0)	10	10

Health and Safety:

Balmerol Protomac T - Series oils are not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

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