



Mobil DTE PM™ Ashless Series

Product Description

Mobil DTE PM™ Ashless oils are high-performance, low aquatic toxicity, lubricants specifically designed for demanding industrial paper machine circulating systems, helping protect both gears and bearings operating under severe conditions. They exhibit good viscosity characteristics helping reduce start-up to production times as well as maintaining equipment protection at high temperatures. The carefully selected base oil and metallic free additive system allow passing results of acute aquatic toxicity testing (LC-50, OECD 203) while providing excellent resistance to oxidation and thermal degradation, exceptional protection against rust and corrosion, and a high level of anti-wear performance.

Mobil DTE PM Ashless Series are formulated to be free of metallic additives and phenols to help minimize impact to water treatment streams.

Features and Benefits

The Mobil DTE PM Ashless series oils can help extend maintenance intervals and improve production capacity by providing the following performance features:

- Excellent gear scuffing and wear protection can help to minimize equipment failures and maintenance downtime.
- Enhanced oxidation and thermal stability can help extend oil life versus mineral oils, maintain system cleanliness, and minimize unexpected equipment downtime.
- Excellent rust, anti-foaming, and filterability performance helping protect equipment under severe operating conditions.
- Effective water separation performance helps allow easy removal of water coupled with minimal emulsion formation to help improve lubricant film strength.

Applications

- Lubrication of industrial paper machine circulating systems
- Applications involving circulation systems operating over a wide temperature range
- Systems that must be started and brought on line quickly
- Circulation systems lubricating gears and bearings

Specifications and Approvals

Mobil DTE PM Ashless meets or exceeds the requirements of:	150	220	320
SKF requirements for paper machine oil dryer section		X	

Typical Properties

Mobil DTE PM Ashless	150	220	320
ISO Viscosity Grade	150	220	320
Viscosity, ASTM D 445			

cSt @ 40°C	150	220	320
cSt @ 100°C	14.6	18.7	24
Viscosity Index, ASTM D 2270, min	97	97	97
FZG 4-Square Load Support, DIN 51354, fail stage	12	13	13
Demulsibility, minutes to 40/37/3, 82° C	5	10	15
Acute Aquatic Toxicity (LL50, OECD 203)	Pass	Pass	Pass

Health and Safety

Based on available information, this product is 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. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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