Mobil DTE PM™ Ashless Series

Mobil Industrial , United States

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

Properties and Specifications

Property	150	220	320
Grade	ISO 150	ISO 220	ISO 320
Acute Fish Toxicity, LC50/96h, mg/l, OECD 203	PASS	PASS	PASS
Emulsion, Time to 37 mL Water, 82 C, min, ASTM D1401	5	10	15
FZG Scuffing, Fail Load Stage, A/8.3/90, ISO 14635-1	12	13	13
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.6	18.7	24
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	150	220	320
Viscosity Index, ASTM D2270	97	97	97

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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Exxon Mobil Corporation
22777 Springwoods Village Parkway
Spring TX 77389

1-800-ASK MOBIL (275-6624)

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
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