

PM Oil

76® PM Oil is a high-quality circulating oil developed for use in modern papermaking machines. It is recommended for use in paper machines manufactured by all leading OEMs. It is specially formulated to provide excellent detergency while still maintaining excellent water-separating properties.

PM Oil is formulated with an additive package specially tailored for papermaking machines. It has good oxidation resistance and thermal stability at high temperatures to minimize deposit formation and provide long service life. It has excellent detergency to help maintain system cleanliness. It has excellent water-separating properties to minimize the formation of emulsions, and passes the Pall Filterability Test for both new oil and “aged” oil contaminated with water. It has good load-carrying capacity for wear protection, protects system components against rust and corrosion, and has good foam resistance.

Applications

- Circulating systems of paper machines, including wet-end systems, dryer sections and calender stacks
- Circulating systems for heavily loaded bearings where moisture contamination is a problem and operating temperatures are high
- Reduction gears and gear-head motors
- Vacuum pumps and water pumps

Features/Benefits

- Excellent detergency
- Excellent water-separating properties
- Excellent filterability for use with fine porosity filters
- Good oxidation resistance and thermal stability
- High load-carrying capacity
- Protects against rust and corrosion
- Good foam resistance

Paper Machine Circulating Oil

Contact Information

**U.S. Customer
Service:**
1-888-766-7676

Technical Hot Line:
1-800-435-7761

**International
Customer Service:**
+1-832-486-3363
+1-832-486-3870

E-mail Address:
76lubricants@
conocophillips.com



PM Oil

Typical Properties

ISO Grade	150	220
Specific Gravity @ 60°F	0.881	0.889
Density, lbs/gal @ 60°F	7.34	7.41
Color, ASTM D1500	2.5	4.0
Flash Point (COC), °C (°F)	260 (500)	270 (518)
Pour Point, °C (°F)	-12 (10)	-12 (10)
Viscosity,		
cSt @ 40°C	150	220
cSt @ 100°C	15.0	18.9
SUS @ 100°F	787	1,164
SUS @ 210°F	79.7	96.4
Viscosity Index	100	96
Acid Number, ASTM D974, mg KOH/g	0.70	0.70
Copper Corrosion, ASTM D130	1a	1a
Demulsibility, ASTM D1401, minutes to pass	10	10
Foam Test, ASTM D892	Pass	Pass
Rust Test, ASTM D665 A&B	Pass	Pass
Timken OK Load, ASTM D2782, lb	30	30

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification..

Copyright © 2009 ConocoPhillips Company. The ConocoPhillips logo, 76 and the 76 logo are trademarks of ConocoPhillips Company in the U.S.A. and other countries.