



SHELL DELIMA[®] OILS EP

Premium circulating oils formulated with metal-free additives to provide mild EP for use in paper machine lubrication systems

Product Description

Shell Delima[®] Oils EP are a series of specially formulated, ashless anti-wear circulating oils for use in paper machine lubrication systems that require oils which meet Beloit Oil C Specifications. These products contain a balanced combination of inhibitors to resist oxidation, rust, copper corrosion, wear, emulsification, and foam while providing excellent filterability and mild EP. **Shell Delima[®] Oils EP** are especially appropriate where there are environmental concerns or restrictions on the presence of metals such as barium or zinc. The **Shell Delima[®] Oils EP** series is designed to keep systems clean and trouble-free over extended service intervals.

Applications

- centralized lubrication systems such as paper machines operating under severe conditions that require oils that meet Beloit C Specifications for EP performance.
- circulating systems needing effective anti-wear/mild EP protection as well as AGMA R&O or better oxidation performance
- paper machines equipped with fine filters, super-heated steam, or susceptible to severe water contamination
- dryer sections and calendar stacks
- controlled crown rolls and Extended Nip Press (ENP) systems
- reduction gears and gear head motors
- suction box pumps and vacuum and white water pumps

Features/Benefits

- excellent load-carrying capacity and wear resistance
- excellent water separation properties
- oxidation and rust protection
- excellent filterability for use with fine filters
- excellent resistance to deposit and sludge formation

Typical Properties of Delima® Oil EP

	Test Method	ISO Viscosity Grade	
		150	220
Product Code		65524	65526
Gravity, °API	D 1298	27.2	26.7
Viscosity:			
@ 40°C, cSt	D 445	150	220
@ 100°C, cSt	D 445	14.2	18.4
@ 100°F, SUS	(calc)	790	1166
@ 210°F, SUS	(calc)	76.5	94
Viscosity Index	D 2270	91	92
Flash Point, COC, °F	D 92	485	490
Pour Point, °F	D 97	5	10
RBOT, Minutes	D 2272	150	150
Rust Test	D 665B		
Synthetic Sea Water		Pass	Pass
Demulsibility, @ 180°F	D 1401		
Separation time, minutes		15	15
Wheeling Steel Demulsibility	D 2711		
Free Water, ml		40	40
Four-Ball Wear, min	D 2266		
1 hr, 54°C, 1800 rpm, 40 kgf		0.48	0.53
Four-Ball EP	D 2783		
Load Wear Index, kgf		41	41
Weld Point, kgf		400	400
Timken, OK Load, lbs	D 2782	50	50
FZG EP Gear, Pass Stage	D 5182	13	13

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.