

RECOMMENDED LUBRICANTS FOR PLYWOOD MILLS

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PROCESS	EQUIPMENT	LUBRICATION POINTS	OPERATING CONDITIONS	RECOMMENDED LUBRICANTS	FIELD RESULTS / COMPARISON / COMMENTS
Log cutting ↓ Debarking	Chain saws	Bearings	45°C – 48°C Dusty/normal load	BECHEM L474-3	6 times less regreasing (compared to conventional greases), Regreasing interval > 200 hrs
	Log peeling machine	Bearings	Intermittent heavy shock loads, Wood dust contaminants 45°C – 48°C	BECHEM LFB 200 BECHEM L474-3	6 times less regreasing (compared to conventional greases), Regreasing interval > 200 hrs.
↓ Drying section	Chip conveyor	Bearings	Normal loads, dusty, 45°C	BECHEM L474-3	6 times less regreasing (compared to conventional greases) Regreasing interval > 250 hrs
	Knife grinder	Log knives	Grinding	FIMITOL Avantin 721 coolant	No smell and tool life longer by 2 – 3 times. Coolant life 6 – 8 times.
	Babcock dryers	Bearings	High temperatures 155°C – 180°C	Berutox MB II H / Berutox M 21 KN	No bearing failures or carbonation. Lubrication interval > 300 hours
↓ Glue section ↓ Cold pressing	Conveyor chains	Chain links and sprockets	High temperatures 155°C – 180°C	Berutex HTL 250	No carbonation so far and no squeaking noises. Lubrication by drip feed.
	Glue spreader machine	Bearings (Dispenser pump)	Normal temperatures 45°C – 50°C	BECHEM L 474-3	> 300 hours greasing interval
↓ Hot pressing	Hydraulic presses	Hydraulic system	Normal temperatures	BECHEM Staroil NR 46	1 year oil change.
	Hydraulic presses	Hydraulic system	Temperatures 50°C–55°C	BECHEM Staroil NR 46 / 68	1 year oil change.
↓ Sanding ↓ Finished product	Boiler ID Fans	Bearings	Temperatures 65°C – 70°C	BECHEM Multiplex 23	> 250 hours regreasing
	Sanding machines	Bearings	High speed > 600,000 speed factor	Berutox FB 22	No bearing failure Regreasing > 800 hours
	Chip/dust blowers	Bearings	65°C – 80°C	BECHEM Multiplex 23	> 250 hours regreasing