

KAJO-Lignum P Grease 460

woodpellet-press-grease

KAJO-Lignum P Grease 460 has been developed to lubricate roller bearings in edge runners of pellet presses. Due to the extremely high load in the roller bearings of the edge runners, a lubricating grease suitable for the high loads as well as for the high temperatures is needed. We managed to keep the penetration of the lubricating grease in the bearings constant even with high temperatures due to a special combination of

a speed factor of $n \times d_m = 400,000$.

thickeners. This guarantees a possible extension of the service life. After extensive trials with different presses, we could fix the following servicelives, depending on the processed wood:

wood chips, coarse: service life max. 1000 h
 sawdust: service life 1500-2000 h
 wood shavings: service life 3000-4000 h

Typical characteristics:

Characteristics	Value	Unit	Norm
Colour	bright		
Penetration class	1-2	NLGI-class	DIN 51 818
Working penetration	300 - 330	$1/10$ mm	DIN ISO 2137
Thickener	synthetic/polymer		
Dropping point	250	°C	IP 396
Four ball O.K.load Welding load	5500 6000	N	DIN 51 350 T4
Working stability Δ PW 100000	<30	$1/10$ mm	DIN ISO 2137
EMCOR (dest. water)	0/1	Corrosion degree	DIN 51 802
Water resistance	1	Evaluation level	DIN 51 807-1
Brugger	45	N/mm ²	DIN 51 347-1
Copper corrosion	1a		DIN 51 811
Oil separation 7 d / 40 °C	1	%	DIN 51 817
Operating temperature range Short-term	-10 bis +180 +200	°C °C	
Designation	KPF 2R-10		DIN 51 502