



GREASE PRODUCT COMPARISON CHART

		THICKENER TYPE								*APPROXIMATE TEMPERATURE RANGE, °F (°C)																												**FOUR BALL		PERFORMANCE/COMMENTS		
PRODUCT	GRADE	Aluminum Complex	Inorganic	Calcium Sulfonate	Lithium	Lithium Calcium	Lithium-Complex	PTFE	Polyurea	-45 (-43)	-35 (-37)	-25 (-32)	-15 (-26)	-10 (-23)	-5 (-21)	0 (-18)	10 (-12)	20 (-7)	30 (-1)	40 (4)	50 (10)	60 (16)	70 (21)	80 (27)	90 (32)	100 (38)	125 (52)	150 (66)	175 (79)	200 (93)	225 (107)	250 (121)	275 (135)	300 (149)	350 (177)	400 (204)	450 (232)	500 (260)	550 (288)	WELD (kg)	WEAR (mm)	
Caliber® 3M and 5M	(3M) Arctic 0, 1, 2 (5M) Arctic 0, 1, 2						●																																	800	0.46	Meets caterpillar spec. Contains 3% or 5% moly.
Caliber® 460 M	2						●																																	800	0.57	Robust grease for earthmoving machines.
Caliber® Blue	0, 1, 2				●																																	620	0.43	Used in heavy duty equipment in milder climates.		
Jet-Lube® EP Bearing Grease™	2				●																																	315	0.70	Heavy duty grease suitable for electric motor bearings.		
Jet-Lube® PFPE Grease	2							●																														>800	---	High temperature inert grease.		
Legacy™ M	1	●																																				315	0.50	Fully synthetic base oil. Designed for cold temperatures.		
Matrix® EP	0, 1, 2, TK2			●																																		800	0.45	Robust heavy duty grease.		
Medallion™ FM Grease	0, 1, 2	●																																				400	0.60	NSF H-1 registered. Kosher and Halal approved.		
Medallion™ Supreme CSC	2			●																																		800	0.54	NSF H-1 registered. Kosher and Halal approved.		
Novagard®	0, 1, 2	●																																				620	0.55	Easily pumpable extreme pressure grease.		
Novatemp™	1.5	●																																				---	0.70	Use up to 750°F (400°C) as a dry lubricant		
Omnilith™ 360	0, 1, 2				●																																	315	0.52	Multi-purpose extreme pressure grease.		
Omnilith™ 500	1.5, 2						●																															800	0.56	Meets the Bucyrus spec (now CAT).		
Omnitask®	1, 2, TK2	●																																				400	0.60	Used mainly in steel mill work rolls.		
Omnitemp®	1, 2		●																																			---	---	Non-melt high temp grease.		
Polyna™ EP	2								●																													315	0.30	Long life in electric motor bearings.		

**Lowest temperature is for softest (most pumpable) grade. Highest temperature is for stiffest grade.*

***Four Ball EP & Wear results are representative of the heaviest grade in the series.*

Grease Compatibility Chart

Legend: B = Borderline C = Compatible I = Incompatible		Thickener Type	Aluminum Complex	Barium Complex	Calcium Stearate	Calcium 12 Hydroxy	Calcium Complex	Calcium Sulfonate Complex	Clay (non-soap)	Lithium Stearate	Lithium 12 Hydroxy	Lithium Complex	Lithium-Calcium	Polyurea (conventional)	Polyurea (shear stable*)	Sodium
			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Caliber® 3M and 5M	10	C	I	C	C	C	C	C	I	C	C	C	C	I	C	B
Caliber® 460 M	10	C	I	C	C	C	C	C	I	C	C	C	C	I	C	B
Caliber® Blue	9	I	I	B	C	I	B	I	C	C	C	C	C	I	C	I
Jet-Lube® EP Bearing Grease™	9	I	I	B	C	I	B	I	C	C	C	C	C	I	C	I
Jet-Lube® PFPE Grease	N/A	Jet-Lube® PFPE Grease should not be mixed with other grease types														
Legacy™ M	1	C	C	I	C	I	B	I	I	I	I	C	I	I	C	I
Matrix® EP	6	B	C	C	B	I	C	I	B	B	C	C	B	I	C	I
Medallion™ FM Grease	1	C	I	I	C	I	B	I	I	I	C	I	I	I	C	I
Medallion™ Supreme CSC	6	B	C	C	B	I	C	I	B	B	C	C	B	I	C	I
Novagard®	1	C	I	I	C	I	B	I	I	I	C	I	I	I	C	I
Novatemp™	1	C	I	I	C	I	B	I	I	I	C	I	I	I	C	I
Omnilith™ 360	9	I	I	B	C	I	B	I	C	C	C	C	C	I	C	I
Omnilith™ 500	10	C	I	C	C	C	C	C	I	C	C	C	C	I	C	B
Omnitask®	1	C	I	I	C	I	B	I	I	I	C	I	I	I	C	I
Omnitemp®	7	I	I	I	I	I	I	I	C	I	I	I	I	I	I	I
Polyna™ EP	13	I	I	I	I	I	B	I	I	B	I	B	I	B	C	I
Condition/Application	Top Choices					Condition/Application					Top Choices					
Automotive	Matrix® EP 2					High Speed Bearings					Jet-Lube® EP Bearing Grease™					
Biodegradable	Jet-Lube® Alco-EP™ ECF™					High Temperatures					Matrix® EP, Omnitemp®, Novatemp™ , Jet-Lube® PFPE Grease					
Caterpillar Equipment (Meets CAT® Specification)	Caliber® 3M Caliber® 5M					Low Cost/Good Performance					Caliber® Blue, Jet-Lube® EP Bearing Grease™					
Chemical Resistance	Jet-Lube® PFPE Grease, Matrix® EP 2					Low Temperatures (~40°)					Novagard®, Legacy™ M					
Couplings	Vortex™					Multipurpose					Omnilith™ 500, Matrix® EP					
Food Machinery	Medallion™ FM Grease, Medallion™ Supreme CSC					Steel Mill Roll Stands					Caliber™ Blue					
High Load/Shock Load/Slow Speed	Matrix® EP, Omnilith™ 500					Water Resistance					Matrix® EP					

See more technical data at:
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