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Timken OK Load

(ASTM D-2509)

What is a Timken OK Load Test?

The Timken OK Load Test is an industry standard test designed to measure the extreme pressure capabilities.

What do the numbers mean?

A higher Timken OK load indicates a grease is more capable of withstanding extreme pressure conditions

4 Ball Wear Test

(ASTM D-2266)

What is a 4 Ball Wear Test?

The 4 Ball Wear Test is an industry standard test designed to measure a grease's ability to protect against wear.

What do the numbers mean?

Measured in millimeters or mm, a lower number indicates superior wear protection is offered by the grease tested.

Water Washout

(ASTM D-1264)

What is a Water Washout Test?

The Water Washout Test is an industry standard test designed to measure a grease's ability to withstand exposure to water contaminants.

What do the numbers mean?

A lower Water Washout test result, measured in percentages, indicates a grease has superior water resistance.



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GREASE SPECIFICATION COMPARISON

Manufacturer	Product Name	Thicken Type	NLGI Grade	Dropping Point °C/(°F)	Timken OK Load (D-2509)	4-Ball Wear (D-2266)	Water Washout % (D-1264)	Moly %
TRC of Canada	880 Crown & Chassis	Calcium 12-Hydroxy	2	154/(310)	100	0.33	1.3	
	Paragon 3000	Calcium-Lithium Complex	2	332/(630)	100	0.33	0.65	
	Moly 880 Crown & Chassis	Calcium 12-Hydroxy	2	154/(310)	80	0.25	1.3	5
	Moly Paragon 3000	Calcium-Lithium Complex	2	332/(630)	80	0.25	0.65	5
49 North	Premium Plus Industrial Multi-Purpose	Lithium Complex	2	288/(550)	60	NL	NL	-
	Hi-Lo Synthetic Multi-Purpose	Lithium Complex	2	260/(500)	70	0.45	1.4	-
	Ultra Hi-Temp Multi-Purpose	Lithium Complex	2	288/(550)	80	0.45	NL	-
Amsoil	Synthetic Polymeric Off-Road	Calcium-Sulfonate Complex	2	343/(649)	75	0.45	1	5
	Synthetic Multi-Purpose	Calcium-Sulfonate Complex	2	282/(540)	70	0.40	1.7	-
April Super Flo	HD Pro	Lithium Complex	2	260/(500)	64	0.55	NL	-
	Multirex	Lithium Complex	2	185/(365)	45	NL	NL	-
Boss Lubricants	Red Stick 2	Lithium Complex	2	260/(500)	55	NL	NL	-
	Black Bull Moly	Lithium Complex	1.5	260/(500)	70	NL	NL	?
	Big Blue 2 MP	Lithium Complex	2	260/(500)	40	NL	NL	-
Cam 2	Hi-Temp Red	Lithium Complex	2	260/(500)	45	0.55	5	-
	Multi-Purpose Grease	Lithium	3	185/(365)	NL	0.50	NL	-
	Ultraplex EP 2 Moly Grease	Lithium Complex	2	260/(500)	60	0.48	3.5	3
	Ultra580 EP 2 Moly Grease	Calcium Sulfonate	2	288/(550)	65	0.45	0.5	5
	Ultra 580 EP	Calcium Sulfonate	2	288/(550)	65	0.45	3	-
Certified Labs	Premalube	Aluminum Complex	2	260/(500)	65	0.40	3	-
	Premalube RED	Aluminum Complex	2	260/(500)	60	0.73	2.5	-
	Premalube Xtreme	Calcium Sulfonate	2	301/(574)	70	0.341	0.1	-
	Premalube Xtreme Green	Calcium Sulfonate	2	301/(574)	70	0.344	0.1	-
Chevron	Multifak EP 2	Lithium 12-Hydroxy	2	188/(370)	40	NL	NL	-
	Delo EP 2	Lithium Complex	2	255/(491)	50	0.45	5	-
	Starplex EP	Lithium Complex	2	250/(482)	50	0.40	NL	-
	Ulti-Plex EP	Lithium Complex	2	255/(491)	75	0.43	4	-
Co-op	Sonic Blue Guard	Lithium Complex	2	198/(388)	55	NL	NL	-
	Sonic Silver Guard SL	Lithium Complex	1.5	288/(550)	55	NL	NL	-
	Sonic Moly Guard SL	Lithium Complex	1.5	288/(550)	50	NL	NL	3
Irving	Lubex EP Premium Multipurpose	Lithium 12-Hydroxy	2	260/(500)	55	0.43	NL	-
	Lubex MP	Lithium	2	185/(365)	45	NL	NL	-
	AF-Moly Plus	Lithium Complex	2	260/(500)	NL	0.60	NL	5
Klondike	Multi-Purpose Grease	Lithium	2	200/(392)	45	NL	NL	-
	Ultra Tac EP	Lithium Complex	2	275/(527)	75	0.495	NL	-
	nano Full Synthetic EP 1.5	Lithium Complex	1.5	260/(500)	80	0.33	NL	-
Lubrication Engineers	1275 Almaplex	Aluminum Complex	2	232/(450)	45	NL	1.44	-
	1299 Almaplex	Aluminum Complex	2	273/(523)	55	0.49	0.45	-
	3752 Almaguard	Lithium Complex	2	282/(540)	70	NL	NL	-
	4622 Monolec	Lithium Complex	2	266/(511)	60	0.59	12	-
Loctite	LB 8034	Calcium Sulfonate	2	318/(604)	NL	0.42	0.57	-
Lucas	Red & Tacky	Lithium Complex	2	282/(540)	60	0.60	<5.0	-
	X-Tra Heavy Duty Grease	Polyeura	2	260/(500)	60	NL	10	-
Mobil/Esso	Mobil Grease CM-S	Lithium Complex	2	260/(500)	40	0.50	6	-
	Mobil Grease CM-P	Lithium Complex	2	260/(500)	45	0.50	6	3
	Ronex MP	Lithium Complex	2	280/(536)	45	0.50	NL	-
	Mobilith AW	Lithium Complex	2	260/(500)	45	0.50	NL	-
	Mobilux EP	Lithium 12-Hydroxy	2	192/(378)	40	0.40	NL	-
	UniRex EP2	Lithium Complex + Polymer	2	260/(500)	60	NL	NL	-
Mystik	JT-6	Anhydrous Calcium	2	143/(289)	55	0.60	0.9	-
	JT-6 Hi-Temp	Lithium Complex	2	288/(550)	80	0.45	2.5	-
	JT-6 Synthetic Blend	Lithium Complex	2	260/(500)	65	0.45	1.4	-
	JT-6 Hi-Temp with Moly	Lithium Complex	2	260/(500)	60	0.45	2.5	3
Petro Canada	Precision XL EP 2	Lithium Complex	2	302/(576)	60	0.50	3.8	-
	Precision XL 5 Moly EP2	Lithium Complex	2	187/(369)	45	0.46	3.5	5
	Precision General Purpose EP 2	Lithium Complex	2	198/(388)	40	0.59	3.8	-
	Peerless LLG	Calcium Sulfonate Complex	2	314/(597)	60	0.45	1.5	-
	Peerless OG2	Calcium Sulfonate Complex	2	304/(579)	60	0.52	2.2	-
Prolab	AF-100	Calcium Sulfonate Complex	2	318/(604)	65	0.38	8	-
	AF-200	Calcium Sulfonate Complex	2	300/(572)	70	0.38	2	-
	AF-300	Calcium Sulfonate Complex	2	300/(572)	60	0.38	2	-
	AF-400	Calcium Sulfonate Complex	2	271/(520)	NL	0.45	NL	-
	GS-1000	Calcium Sulfonate Complex	2	300/(572)	66	0.43	2	-
	Moly	Calcium Sulfonate Complex	2	280/(536)	70	0.38	1	5
	SF-50	Calcium Sulfonate Complex	2	316/(600)	64	0.40	2-5%	-
Schaeffer	Ultra Supreme	Aluminum Complex	2	260/(500)	65	0.56	5.6	5
	Ultra Red Supreme	Aluminum Complex	2	260/(500)	65	0.60	5.75	3
	Moly Ultra EP	Aluminum Complex	1.5	260/(500)	60	0.60	4.2	3
Sinto	SIN 250	NL	2	NL	58	0.39	5	-
	SIN EP	NL	2	NL	65	0.39	2.75	-
	RG	NL	2	NL	65	0.39	2.75	-
Shell	Gadus S2 (formally Alvania)	Lithium 12-Hydroxy	2	180/(356)	45	NL	NL	-
	Gadus S3 V460D 2 (formally Retinax CMX)	Lithium Complex	2	232/(450)	50	0.40	NL	3
	Retinax SDX	Lithium Complex	2	232/(450)	60	0.40	NL	5
Super Lube	Multi Purpose Synthetic Grease	NL	2	287/(549)	40	0.50	1	-
Sweepco	121 Tri-Plex	NL	2	260/(500)	65	0.54	2.5	-
	Ultra EP Multi-Service	NL	2	308/(586)	60	0.43	2	-
	Moly Hi Plus Grease	NL	2	191/(376)	35	0.42	NL	?

NL=Not Listed