

Multifunctional Conditions

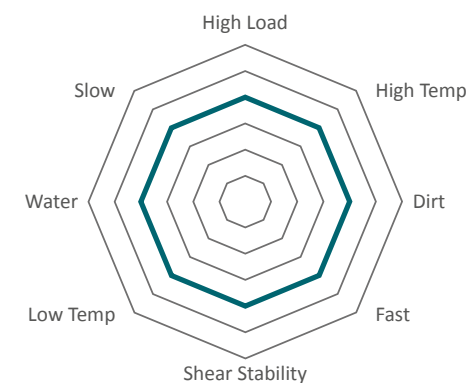
General Info on Conditions and Typical Applications:

Where: All segments

Important product properties: Versatility
Main properties aligned to focus segment

Many lubrication conditions are a mix between different conditions of varying severity. This means that there is a large group of lubricants with properties that can handle many different conditions, and hence can be used in a wide variety of applications. These products are multifunctional.

Key Performance Aspects

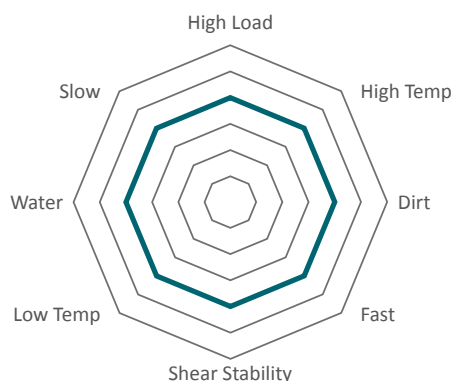


		AXEL Product	Colour	Thickener	NLGI	DP (°C)	BO type	BOV	Solids	T-range (°C)	Approvals
OPTIMAL PERFORMANCE		Axellence 642 EPB		Li-X	2	>260	PAO	100	-	-40 to +150	-
		Axellence 6525 EPB		Li-X	2,5	>260	PAO	220	-	-40 to +150	-
		Axellence 752 EPBD		Li-X	2	>260	Ester	295	-	-30 to +140	SS 155470/2013 VGP
		Noion 632 EPB		Poly	2	>140	PAO	47	-	-30 to +120	-
IMPROVED PERFORMANCE		Acinol 1300 EPS Green		Li	0	>160	Min	40	-	-50 to +120	MAN 283 Li-P 00/000, MB Blatt 264.0
		Acinol 8300 EP		Li	00	>170	Alkylate	38	-	-50 to +100	MAN 283 Li-P 00/000, MB Blatt 264.0
		Axellence 152 EP		Li-X	2	>260	Min	200	-	-30 to +140	GC-LB, VOLVO Std 1277.2
		Axellence 152 HQ Blue		Li-X	2	>260	Min	220	-	-20 to +140	GC-LB
		Axellence 152 S Green		Li-X	2	>260	Min	183	-	-20 to +140	MAN 284 Li-H 2, MB Blatt 265.1, Volvo Std 1277.2
		Axelurea T 142 EP Green		PU-T	2	>260	Min	100	-	-30 to +150	-
		Axelurea T 150 EP Green		PU-T	0	>230	Min	170	-	-30 to +150	-
		Hycal 442 EPBD		Anh-Ca	2	>140	Veg/Pol	130	-	-30 to +80	SS 155470/2013 VGP
GOOD PERFORMANCE		Acinol 142		Li	2	>180	Min	110	-	-30 to +120	-
		Acinol 142 EPM		Li	2	>180	Min	120	Graph/MoS ₂	-30 to +120	-
		Acinol 152 EP		Li	2	>180	Min	200	-	-30 to +120	MAN 283 Li-P 2, MB Blatt 267.0, BekaMax, VOLVO Std 1277.18
		Acinol 152 EPM3		Li	2	>180	Min	200	MoS ₂	-30 to +120	MAN 285 Li-PF 2
		Acinol 152 HQ Red		Li	2	>180	Min	220	-	-30 to +120	LB
		Caliac 142 EP Green		Li-Ca	2	>180	Min	140	-	-20 to +120	-

Multifunctional Conditions

		AXEL Product	Product Properties	Sample Applications	Sample Industries
OPTIMAL PERFORMANCE		Axellence 642 EPB		Wide variety of heavily loaded bearings applications and electrical motor bearings	
		Axellence 6525 EPB		Heavily loaded wheel bearings in commercial vehicles	
		Axellence 752 EPBD		Wide variety of moderately loaded bearings with environmental demands	
		Noion 632 EPB		Wide variety of moderately loaded spindles, fans, electrical motors, linear guidance and frequency regulated bearings operating at high and/or low speeds. Chucks and bearings in contact with process fluids or applications sensitive to ions	
IMPROVED PERFORMANCE		Acinol 1300 EPS Green		Centralized lubrication systems, moderately loaded enclosed gearboxes	
		Acinol 8300 EP		Centralized lubrication systems on heavy duty trucks operating in low to medium temperatures	
		Axellence 152 EP		Wide variety of moderately loaded bearings, wheel bearings	
		Axellence 152 HQ Blue		Wide variety of moderately loaded bearings, wheel bearings	
		Axellence 152 S Green		Wide variety of moderately loaded bearings, wheel bearings	
		Axelurea T 142 EP Green		Extremely loaded plain bearings, bushes, pins, joints and chassis components operating in wet environments	
		Axelurea T 150 EP Green		Centralized lubrication systems, moderately loaded enclosed gearboxes	
GOOD PERFORMANCE		Hycal 442 EPBD		Wide variety of moderately loaded bearings applications with environmental demands	
		Acinol 142		Wide variety of lightly loaded bearings, electrical motors, fans and alternators	
		Acinol 142 EPM		Wide variety of moderately loaded low speed bearings, bushes, pins, joints and chassis components	
		Acinol 152 EP		Wide variety of moderately loaded bearings, electrical motors, fans and alternators	
		Acinol 152 EPM3		Wide variety of moderately loaded low speed bearings, bushes, pins, joints and chassis components	
		Acinol 152 HQ Red		Wide variety of moderately loaded bearings, joints and chassis components	
		Caliac 142 EP Green		Wide variety of moderately loaded bearings	

Key Performance Aspects



Product Properties Key

Central Lubrication	Environmental	Heavy Loads	High Temperature	Multipurpose	Water Resistant
Corrosion Protection	Extreme Pressure	High Speed	Low Temperature	Special Application	

Sample Industries Key

Agriculture	Cement	Forestry	Marine	Off-Road	Steel
Auto	Construction	Industry	Mining	Pulp and Paper	