

Daewoo HD

Industrial lubrication experts

Every industrial lubricant recommendation should be done after an expert consultation on the application in question. Only then the best lubricant can be selected.

Daewoo industrial gear oil series "GemXP" are fitted to all your industrial applications



Daewoo GemXP series fitted to all your needs:

- GemXP GSH – demulsifying general lubricating, spindle and hydraulic oil
- GemXP CLP – demulsifying high performance EP/AW gear oil and general lubricating oil
- GemXP CLPF – high performance EP/AW gear oil with MoS₂ (black color)
- GemXP SYNTHETIC CLP – fully synthetic, high performance EP/AW gear oil based on polyalphaolefins (PAO)



• GemXP GSH – demulsifying general lubricating, spindle and hydraulic oil

DESCRIPTION

Daewoo GemXP GSH series are spindle, hydraulic and general lubricating oils (machine oils) containing selected base oils and additives to improve ageing stability and corrosion protection.

APPLICATION

For thermally-stressed bearings and hydraulic systems with peak temperatures of approx 120 °C.

SPECIFICATIONS

All GemXP GSH products are DIN 51524-1 (HL) hydraulic oils and DIN 51517-2 (CL) general lubricating oils, based on mineral oils, demulsifying (water repellent) and free of zinc.

ISO 6743/4, HL, ISO 6743-6 and ISO 12925-1: CKB.

Product name		Density at 15 °C, kg/m ³	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm ² /s	Kinematic viscosity at 100 °C, mm ² /s	Viscosity index	Pour point, °C
Daewoo HD RDM	2	805	100	2,2	-	-	27-
Daewoo HD RDM	5	837	120	4,6	1,6	106	40-
Daewoo HD RDM	7	839	155	7,4	2,2	103	27-
Daewoo HD RDM	10	851	174	10	2,6	93	27-
Daewoo HD RDM	15	856	195	15	3,4	98	27-
Daewoo HD RDM	22	865	210	22	4,2	94	27-
Daewoo HD RDM	32	874	222	32	5,4	102	24-
Daewoo HD RDM	46	874	228	46	6,8	101	24-
Daewoo HD RDM	68	882	250	68	8,7	99	18-
Daewoo HD RDM	100	881	248	100	11,2	97	18-
Daewoo HD RDM	150	889	266	150	15,5	94	15-
Daewoo HD RDM	220	893	280	880	18,8	95	12-
Daewoo HD RDM	320	898	280	320	24,0	95	12-
Daewoo HD RDM	460	904	315	460	30,4	95	12-
Daewoo HD RDM	680	912	302	680	37,9	92	12-

• Daewoo HD SFQ demulsifying high performance EP/AW gear oil and general lubricating oil

DESCRIPTION

Daewoo HD SFQ are high performance gear oils and general lubricating oils with good ageing stability and additives to improve corrosion protection (combat ferrous and nonferrous metal corrosion caused by moisture). Outstanding anti-wear characteristics – good EP/AW performance, excellent protection against scuffing and micro pitting, excellent FEB roller bearing wear protection, good demulsifying properties, very good foaming suppression, zinc- and silicone oil-free.

APPLICATION

Daewoo HD SFQ oils fulfil and surpass the minimum requirements of lubricating oils. Universal gear oils for all industrial applications such as in bearings, knuckles, spur, bevel and worm drives and whenever the manufacturer recommends a Type CLP oil.

SPECIFICATIONS

CLP according to DIN 51 517: Part3 (2004), ISO 6743-6 : ISO 12925-1: CKC, CKD. US Steel 224, David Brown S1.53.10

Product name		Density at 15 °C, kg/m ³	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm ² /s	Kinematic viscosity at 100 °C, mm ² /s	Viscosity index
Daewoo HD SFQ 68	68	886	236	68	8,7	99
Daewoo HD SFQ 100	100	890	240	100	11,2	98
Daewoo HD SFQ 150	150	894	250	150	14,5	94
Daewoo HD SFQ 220	220	896	260	220	18,9	96
Daewoo HD SFQ 320	320	900	255	320	24,0	95
Daewoo HD SFQ 460	460	901	270	460	30,4	95
Daewoo HD SFQ 680	680	918	270	680	36,8	88

• Daewoo HD KRL high performance EP/AW gear oil with MoS₂ (black color)

DESCRIPTION

Daewoo HD KRL are extreme pressure gearbox oils with synergetic chemical EP/AW additives and physical MoS₂-based solid lubricants. The MoS₂-based solid lubricants are physically effective and cover a wide range of temperatures in boundary friction conditions. They reduce friction and have a damping effect. Excellent wear protection in boundary friction conditions, good dirt suspension properties (detergent effect), low foaming, very good FEB roller bearing wear protection as well as zinc- and silicone oil-free.

APPLICATION

For highly-stressed gearboxes operating at low speeds and high loads, even when subject to shock loading, for noise reduction and for the lubrication of spindles and gear-boxes in forging presses.

SPECIFICATIONS

Daewoo HD KRL series of oils surpass the minimum requirements of CLPFD lubricating oils according to DIN 51 517, Part 3 (2004) together with DIN 51 502, ISO 6743-6 ISO 12925-1: CKC, CKD.

Product name		Density at 15 °C, kg/m ³	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm ² /s	Kinematic viscosity at 100 °C, mm ² /s	Viscosity index	Pour point, °C
Daewoo HD KRL 100	100	891	240	100	11,2	98	21-
Daewoo HD KRL 220	220	901	260	220	18,8	95	21-
Daewoo HD KRL 320	320	900	255	320	24,0	95	14-
Daewoo HD KRL 460	460	911	270	460	30,4	95	12-
Daewoo HD KRL 680	680	922	270	680	36,8	88	10-
Daewoo HD KRL 1500	1500	923	240	1,500	61,1	90	12-

• Daewoo HD SND – fully synthetic, high performance EP/AW gear oil based on polyalphaolefins (PAO)

DESCRIPTION

Daewoo HD SND Synthetic are fully-synthetic gear and general lubricating oils with excellent thermal and ageing stability, very high viscosity index (shear-stable), out-standing low temperature characteristics, good cold flowing properties, very good air release, low foaming, good protection against micro pitting, good FEB performance, zinc and silicone oil-free.

APPLICATION

For the lubrication of bearings and gearboxes which are subject to high thermal loads. Suitable for lubricated-for-life applications and in gearboxes with extended drain intervals. Miscible and compatible with mineral oils. Excellent low temperature characteristics, high, shear-stable viscosity index.

SPECIFICATIONS

Daewoo HD SND SYNTHETIC of oils surpass the minimum requirements of CLP-HC gear oils according to DIN 51 517, Part 3 together with DIN 51 502, ISO 6743-6 and ISO 12925-1: CKC, CKD, CKE, AISE 224, David Brown S1.53.101.

Product name		Density at 15 °C, kg/m ³	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm ² /s	Kinematic viscosity at 100 °C, mm ² /s	Viscosity index	Pour point, °C
Daewoo HD SND 68	68	848	240	68	10,7	147	56-
Daewoo HD SND 100	100	851	250	100	14,5	150	53-
Daewoo HD SND 150	150	853	250	150	19,6	150	45-
Daewoo HD SND 220	220	854	260	220	26,7	155	42-
Daewoo HD SND 320	320	860	260	320	35,0	155	42-
Daewoo HD SND 460	460	861	300	460	45,6	155	39-
Daewoo HD SND 680	680	862	300	680	62,2	160	33-
Daewoo HD SND 1000	1000	864	300	1,000	84,0	165	27-