

list of resistance - pressure fluids

MEDIUM	TEMPERATURE [°F]	ECOPUR / T-ECOPUR	H-ECOPUR / G-ECOPUR	ECORUBBER I (NBR)	ECORUBBER-H (H-NBR)	ECORUBBER II (FPM)	ECORUBBER III (EPDM)	ECOSIL (MVQ)	ECOTAL	ECOMID	ECOFLO I
BRAKE FLUID											
WAGNER 21 B	73	-	-	-	-	-	+	0	n.a.	n.a.	+
CONTROL FLUID											
ERIFON HD 856 (WATER/GLYCOL)	140	-	+	+	+	0	(+)	(+)	+	0	+
OCEANIC HW 443 (WATER/GLYCOL)	140	-	0	+	+	0	n.a.	n.a.	n.a.	n.a.	+
OCEANIC HW 443	158	-	-	+	+	0	n.a.	n.a.	n.a.	n.a.	+
OCEANIC HW 540 (WATER/GLYCOL)	140	-	+	+	+	0	n.a.	n.a.	n.a.	n.a.	+
OCEANIC HW 540	158	-	0	+	+	0	n.a.	n.a.	n.a.	n.a.	+
FIRE-EXTINGUISHING MEDIUM											
HALON 1211	73	+	+	-	-	0	-	-	n.a.	n.a.	+
HALON 1301	73	+	+	+	+	+	+	-	n.a.	n.a.	+
FUEL											
ESSO FUEL 208	73	-	n.a.	+	+	+	-	-	n.a.	n.a.	+
JET FUEL A1	176	-	0(+)	+	+	+	-	-	n.a.	n.a.	+
GREASE											
AEROSHELL 7A	122	+	+	+	+	+	-	0	+	+	+
AEROSHELL 17	122	+	+	+	+	+	-	0	+	+	+
AEROSHELL 750	122	-	n.a.	0	0	+	n.a.	-	+	+	+
ESSO CAZAR K1 (MINERAL-GREASE)	176	+	+	+	+	+	-	-	+	+	+
KLÜBER SYNTHESO PROBA 270 (LITHIUM-GREASE)	122	+	+	+	+	+	+	n.a.	n.a.	n.a.	+
MOLYDUVAL MOLYKOTE-FETT (MINERAL-GREASE)	122	+	+	+	+	+	-	-	+	+	+
SHELL ALVANIA R 2 (MINERAL-GREASE)	140	+	+	+	+	+	-	0	+	+	+
HEAT CARRIER OIL											
DOWTHERM A	302	-	-	-	+	+	-	-	-	-	+
DOWTHERM E	302	-	-	-	+	+	-	-	-	-	+
ESSO THERMALÖL T	392	-	-	-	-	+	-	-	-	-	+
HIGH-TEMPERATURE OIL											
MOBIL THERM 600	176	-	n.a.	+	+	+	-	-	+	+	+
LUBRICANT											
TEXACO UNI-TEMP	73	+	+	+	+	+	-	0	+	+	+
MINERAL OIL											
ARAL VITAM GX 32	176	+	+	+	+	+	-	-	+	+	+
ARAL VITAMOL 3865	176	+	+	+	+	+	-	-	+	+	+
ARAL VITAMOL 4004	176	+	+	+	+	+	-	-	+	+	+
CASTROL ALPHA SP 68	176	+	+	+	+	+	-	0	+	+	+
CASTROL HYPIN AWS 32	176	+	+	+	+	+	-	-	+	+	+
ESSO ESSTIC 42, 43	73	0	+	+	+	+	-	-	+	+	+

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ESSO NUTO H 22	176	+	+	+	+	+	-	-	+	+	+
ESSO NUTO H 68	176	+	+	+	+	+	-	0	+	+	+
ESSO SPINNESSO 10	176	+	+	+	+	+	-	-	+	+	+
MOBIL AMBREX 33	176	0	+	+	+	+	-	-	+	+	+
MOBIL AMBREX 830	176	+	+	+	+	+	-	0	+	+	+
MOBIL DELVAC 1100, 1110, 1120, 1130	158	0	+	+	+	+	-	-	+	+	+
MOBIL DTE 25	176	+	+	+	+	+	-	-	+	+	+
MOBIL VACTRA NR.2	176	+	+	+	+	+	-	0	+	+	+
MOBILOIL SAE 20	158	+	+	+	+	+	-	-	+	+	+
PENTOSIN CHF 11S (BRANCH OF AUTOMOBILE)	176	0	+	+	+	+	-	-	+	+	+
RENOLIN MR 20 VG 68 (FUCHS)	176	+	+	+	+	+	-	0	+	+	+
SHELL DIALA-ÖL D	176	+	+	+	+	+	-	-	+	+	+
SHELL HYDROL DO 46	176	+	+	+	+	+	-	0	+	+	+
SHELL MACOMA 72	176	+	+	+	+	+	-	-	+	+	+
SHELL TELLUS 27, 33	176	+	+	+	+	+	-	-	+	+	+
SHELL TELLUS T 37	176	+	+	+	+	+	-	-	+	+	+
SHELL TELLUS 68	176	+	+	+	+	+	-	-	+	+	+
SHELL TELLUS 68 + 5% CASTROL CX 23	176	0	+	+	+	+	-	-	+	+	+
SHELL TIRENA WA	176	+	+	+	+	+	-	0	+	+	+
TEXACO REGAL B	158	+	+	+	+	+	-	-	+	+	+
VACUUM PUMP OIL N 62 (LEYBOLD)	176	+	+	0	+	+	-	+	+	+	+
PRESSURE FLUID HEES											
BP BIOHYD SE 46	176	-	+	-	-	+	-	-	+	+	+
CICO H 3000	176	-	+	-	0	+	-	-	+	+	+
HESSOL BIOL HE 46	176	0	+	-	-	+	-	-	+	+	+
SHELL NATURELLE HF-E 15	176	-	+	-	-	+	-	-	+	+	+
SHELL TMO SW 30	176	-	+	-	-	+	-	-	+	+	+
TEBIOL HVI 32 A	176	-	+	-	-	+	-	-	+	+	+
PRESSURE FLUID HEPG											
BRENNTAG TR 32	122	-	0	+	+	+	-	+	+	+	+
BRENNTAG TR 32	140	-	-	+	+	+	-	+	+	+	+
BRENNTAG TR 46	122	-	+	+	+	+	-	+	+	+	+
BRENNTAG TR 46	140	-	0	+	+	+	-	+	+	+	+
PRESSURE FLUID HETG											
BIOMIL H (UNGARN)	176	-	+	-	-	+	-	-	+	+	+
BP BIOHYD 46	176	-	+	-	-	+	-	-	+	+	+
CASTROL BIOTEC ALPIN 22	176	0	+	-	-	+	-	-	+	+	+
CASTROL BIOTEC HVX	176	0	+	-	-	+	-	-	+	+	+
HESSOL BIOL HR 37	176	0	+	-	-	+	-	-	+	+	+
PLANTOHYD 40 (GENOL)	176	0	+	-	-	+	-	-	+	0	+
PRESSURE FLUID HFA-E											
HOUGHTON-SAFE 5040	122	-	(+)	+	+	+	-	-	+	0	+
HYDRA - VIS (HOUGHTON VAUGHAN)	158	-	-	-	-	-	-	-	+	0	+
H-17(UNGARN)	140	-	+	+	+	+	-	-	+	0	+
SHELL DROMUS OIL B	140	-	+	+	+	+	-	-	+	0	+

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PRESSURE FLUID HFA-S											
HYDROLUBRIC 120 B (HOUGHTON VAUGHAN)	140	-	+	+	+	+	+	+	+	0	+
PRESSURE FLUID HFB											
Q8 KIRON LT68 (KUWAIT PETROLEUM)	140	-	+	+	+	+	-	-	+	0	+
PRESSURE FLUID HFC											
BP ENERGOL SF-C 15	122	-	0(+)	+	+	0	+	0	+	0	+
BP ENERGOL SF-C 15	140	-	- (0)	+	+	0	+	0	+	0	+
HOUGHTO-SAFE 271, 620	122	-	0	+	+	0	+	0	+	0	+
SHELL FIREGARD 200	140	-	0(+)	+	+	0	+	(+)	+	0	+
PRESSURE FLUID HFD-R											
HOUGHTO-SAFE 1010, 1055	122	-	-	-	-	+	+	-	n.a.	n.a.	+
PYDRAUL 29ELT, 30E, 50E, 65E, 90E	176	-	(-)	-	-	+	+	0	n.a.	n.a.	+
PYDRAUL 312C, 540C	176	-	n.a.	-	-	+	-	-	n.a.	n.a.	+
PYDRAUL F-9	176	-	n.a.	-	-	+	0	n.a.	n.a.	n.a.	+
SKYDROL 500 B4 (MONSANTO)	158	-	-	-	-	-	+	-	n.a.	+	+
SKYDROL LD4 (7000) (MONSANTO)	158	-	-	-	-	-	+	-	n.a.	+	+
PRESSURE FLUID HFD-U											
QUINTOLUBRIC N822 - 220	176	-	+	-	0	+	-	(-)	+	+	+
QUINTOLUBRIC N822 - 300	176	0	+	-	0	+	-	(-)	+	+	+
QUINTOLUBRIC N850	176	0	+	-	0	+	-	(-)	+	+	+
SIDERLUBRIC 822-200	176	-	+	-	0	+	-	-	+	+	+
PRESSURE FLUID, LOW TEMPERATURE											
AEROSHELL FLUID 4 (SHELL)	176	+	+	+	+	+	-	-	+	+	+
UNIVIS 40 (ESSO)	158	+	+	+	+	+	-	-	+	+	+
UNIVIS J 13 (ESSO)	176	+	+	+	+	+	-	-	+	+	+
PRESSURE FLUID, REMAINING											
FYRQUEL LT (AKZO NOBEL)	176	-	-	n.a.	n.a.	+	-	-	n.a.	n.a.	+
REFRIGERANTS											
FREON / FRIGEN 11	73	0	n.a.	+	+	0	-	-	+	+	+
FREON / FRIGEN 112 (WITH / WITHOUT OIL)	73	0	0	+	+	+	-	-	+	+	+
FREON / FRIGEN 113	73	+	+	+	+	0	-	-	+	+	+
FREON / FRIGEN 114	73	+	+	+	+	0	-	-	+	+	+
FREON / FRIGEN 114 B2	73	n.a.	n.a.	0	0	0	-	-	+	+	+
FREON / FRIGEN 115	73	(+)	(+)	+	+	+	+	-	+	+	+
FREON / FRIGEN 12	73	+	+	+	+	0	0	-	+	+	+
FREON / FRIGEN 13	73	-	n.a.	+	+	+	+	-	+	+	+
FREON / FRIGEN 13 B1	73	+	+	+	+	+	+	-	+	+	+

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FREON / FRIGEN 134A	73	(+)	(+)	+	+	0	n.a.	-	+	+	+
FREON / FRIGEN 14	73	+	+	+	+	+	+	-	+	+	+
FREON / FRIGEN 142 B	73	(+)	(+)	+	+	-	+	-	+	+	+
FREON / FRIGEN 152 A	73	(+)	(+)	+	+	-	+	(-)	+	+	+
FREON / FRIGEN 21	73	-	n.a.	-	-	-	-	-	+	+	+
FREON / FRIGEN 218	73	(+)	(+)	+	+	+	+	(-)	+	+	+
FREON / FRIGEN 22	73	-	n.a.	-	-	-	+	-	+	+	+
FREON / FRIGEN 31	73	-	n.a.	-	-	-	+	-	+	+	+
FREON / FRIGEN 32	73	(+)	+	+	+	-	+	-	+	+	+
FREON / FRIGEN 502	73	n.a.	n.a.	0	0	0	(+)	-	+	+	+
FREON / FRIGEN BF(F112)	73	0	0	0	0	0	-	-	+	+	+
FREON / FRIGEN C 316	73	(+)	(+)	+	+	+	+	(-)	+	+	+
FREON / FRIGEN C 318	73	(+)	(+)	+	+	+	+	(-)	+	+	+
FREON / FRIGEN MF	73	(0)	(0)	+	+	0	-	-	+	+	+
FREON / FRIGEN PCA	73	+	+	+	+	0	-	-	+	+	+
FREON / FRIGEN T-P 35	73	+	+	+	+	+	+	+	+	+	+
FREON / FRIGEN T-WD 602	73	+	+	0	0	+	0	-	+	+	+
FREON / FRIGEN TA	73	+	+	+	+	-	+	+	+	+	+
FREON / FRIGEN TC	73	+	+	+	+	+	0	-	+	+	+
FREON / FRIGEN TF	73	+	+	+	+	+	-	-	+	+	+
FREON / FRIGEN TMC	73	0	0	0	0	+	0	-	+	+	+
SUVA HP 62	73	+	+	k.A.	k.A.	k.A.	k.A.	k.A.	+	+	+
SUVA 134a	73	0	0	k.A.	k.A.	k.A.	k.A.	k.A.	+	+	+
SUVA 9000	73	0	0	k.A.	k.A.	k.A.	k.A.	k.A.	+	+	+
SILICON OIL											
DOW CORNING 550 E	176	-	+	-	-	+	-	-	+	+	+
SOFTENER											
THIOKOL TP-90 B (POLYESTER-SOFTENER)	73	n.a.	n.a.	-	-	+	+	n.a.	n.a.	n.a.	+
THIOKOL TP-95	73	n.a.	n.a.	-	-	+	+	n.a.	n.a.	n.a.	+
SYNTHETIC OIL											
KLÜBER SYNTHESO D 220 - EP (GLYCOL)	176	n.a.	n.a.	0	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TRANSFORMER OIL											
PYRANOL	73	0	n.a.	+	+	+	-	-	n.a.	n.a.	+
TRANSMISSION LUBRICANT											
HY-TRANS-PLUS MS 1207 (CASE)	176	+	+	0	+	+	-	-	n.a.	n.a.	+
SHELL HSG 80W/90 (BRANCH OF AUTOMOBILE)	176	+	+	+	+	+	-	-	+	+	+
SHELL OMALA 68	176	+	+	+	+	+	-	0	+	+	+
TEXAMATIC "A" TRANSMISSION-OIL	73	0	n.a.	+	+	+	-	-	+	+	+

LEGEND:

list of resistance - pressure fluids

MEDIUM	TEMPERATURE [°F]	ECOPUR / T-ECOPUR	H-ECOPUR / G-ECOPUR	ECORUBBER I (NBR)	ECORUBBER-H (H-NBR)	ECORUBBER II (FPM)	ECORUBBER III (EPDM)	ECOSIL (MVQ)	ECOTAL	ECOMID	ECOFLON I
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+ resistant

0 conditional resistant

- not resistant

() presumedly

n.a. not available

All data and recommendations shown in this list are based on many years of experience in the production of seals, and on information from the specialised literature. In spite of all the experiences, unknown factors in the application of seals can influence the correctness of general recommendation tremendously, for which reason the recommendations and proposals resulting from this list cannot be regarded as binding.

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