

PRODUCT CATALOG

SWISSOIL

by astris

Содержание

Engine Oils	Monograde & OLDTIMER.....	3
	All-Season Oils.....	3
	All-Season Oils for Intermodal Fleets.....	6
	Engine Oil for Private and Commercial Vehicles up to 3.5 Tons.....	7
	Engine Oil for Commercial Vehicles with Diesel Engines.....	13
	Oil for Motorcycles with Four-Stroke Engine.....	16
	Engine Oil for Marine Four-Stroke Engines	16
	Engine Oil for Two-Stroke Engines.....	17
Gas Engine Oils	.....	18
Tractor Oils	STOU – Super Tractor Oil Universal	19
	UTTO – Universal Tractor Transmission Oil	20
	CAT TO-4	21
Automatic Transmission Fluid (ATF, DCT, CVT)	.....	22
Transmission Oil	.....	26
	API GL-4.....	26
	API GL-5	28
	LSA	29
	Universal Transmission Oil API GL-4 + GL-5	30
Industrial Transmission Oils	.....	32
Hydraulic Oils	.....	34
	HLP	34
	HVI-HLP	35
	Synthetic Hydraulic Oils	37
	Biosynthetic Hydraulic Oils	37
	Fireproof Hydraulic Oils	38
	Hydraulic and Industrial Oils (without Zinc) Error! Bookmark not defined.	
Chain Oils	.....	39
Sealing Oils for Frames	.....	39
Compressor Oils	.....	40
Turbine Oils	.....	40
Slideway Oils	.....	41
Circulation Oils	.....	41
Perforation Oils	.....	42
Hardening Oils	.....	42
Metalworking Oils	.....	43
Compressor Oils for Refrigeration Units	.....	43
Transformer Oils	.....	43
Heat Transfer Oils (Thermal Oils)	.....	44
Technical White Oils	.....	44
Antifreeze (concentrate)	.....	44
Other Products	.....	45
Lubricants	.....	47

Engine Oils

OLDTIMER – All-Season Oils – Premium API SB

Art. Nr.

SO 100	Premium SAE 10W
--------	------------------------

SO 101	Premium SAE 20W
--------	------------------------

SO 103	Premium SAE 30
--------	-----------------------

SO 104	Premium SAE 40
--------	-----------------------

SO 104.1	Premium SAE 50
----------	-----------------------

OLDTIMER – All-Season Oils – API SF/CC

Art. Nr.

SO 107	SAE 30
--------	---------------

SO 108	SAE 40
--------	---------------

SO 109	SAE 50
--------	---------------

All-Season Oils – API CD/SF MIL-L-2104 D

Art. Nr.

SO 110	SAE 10W
--------	----------------

SO 111	SAE 20W
--------	----------------

SO 112	SAE 30
--------	---------------

SO 113	SAE 40
--------	---------------

SO 113.1	SAE 40 ACEA E2 API CF-2, CF, SG MB 228.0 MAN M 270
----------	---

Engine Oils

All-Season Oils

Art. Nr.

SO 120 **SAE 10W API CG-4/CF**

SO 121 **SAE 20W API CG-4/CF**

SO 122 **SAE 30 ZF – API CG-4/SJ**
ACEA E2
API CG-4/SJ
MB 228.0, MB 235.12
MAN 270
CAT TO-2
ZF TE-ML 02C, 02H, 04B, 07D
ALLISON C-4

SO 122.1 **SAE 30 API CG-4/CF**

SO 123 **SAE 40 ZF – API CG-4/SJ**
ACEA E2
API CG-4/SJ
MB 228.0, MB 235.12
MAN 270
CAT TO-2
ZF TE-ML 02C, 02H, 04B
ALLISON C-4

SO 125 **SAE 10W-20 API CG-4/CF**

SO 126 **SAE 20W-20 API CG-4/CF**

Engine Oils

Oldtimer Motor Oil (All-Season Oils)

Art. Nr.

SO 129 **SAE 15W-40 API SF/CC**

SO 132 **SAE 20W-50 API SF/CC**

All-Season Oils

Art. Nr.

SO 141 **SAE 15W-50**
ACEA 07: E2
ACEA 02 (obsolete): A2, B3, E2
API SJ, SL/CG-4, CH-4
MB 228.1, 229.1

SO 142 **SAE 20W-50**
ACEA 07: E2
ACEA 02 (obsolete): A2, B3, E2
API SJ, SL/CG-4, CH-4
MB 228.1, 229.1

SO 190 **SAE 15W-40**
ACEA 07: E2
API CG-4, CF-4
MB 228.1
MAN 271
MTU Type 1
VOLVO VDS

Engine Oils

All-Season Oils for Intermodal Fleets

Art. Nr.

SO 213	SAE 15W-40 LDX ACEA 16: E7 ACEA 12. A3/B4 API CI-4, CH-4, CG-4, CF-4, CF / SL GLOBAL DHD-1 MB 228.3, 229.1 MAN M 3275 + MAN 271 VOLVO VDS-2, VDS-3 CATERPILLAR ECF-2, ECF-1-a CUMMINS CES 20071/72/76/77/78 DETROIT DIESEL 93K215 DEUTZ DQC III-10 MACK EO-N, EO-M PLUS MTU Typ 2 RENAULT VI RLD, RLD-2 SCANIA EURO 4 (ACEA E7) VW 501 01, 505 00 - level (1997) ZF TE-ML 03A, 04C, 07C
SO 213.1	SAE 20W-50 SL / CI-4 ACEA E2/E5/E7 ACEA A3/B4 API CI-4 / SL MB 228.3 MB 229.1
SO 217	SAE 10W-40 LDX PLUS ACEA 16: E7 ACEA 12. A3/B4 API CI-4, CH-4, CG-4, CF-4 / SL GLOBAL DHD-1 MB 228.3, 229.1 MAN M 3275 + MAN 271 VOLVO VDS-3 + VDS-2 VW 500 00, 501 01, 505 00 - level (1997) CATERPILLAR ECF-2, ECF-1-a CUMMINS CES 20071/72/76/77/78 DETROIT DIESEL 93K215 DEUTZ DQC III-10 MACK EO-N, EO-M PLUS MTU Typ 2 RENAULT VI RLD, RLD-2 SCANIA EURO 4 (ACEA E7) ZF TE-ML 03A, 04C, 07C

Engine Oils

Engine Oil for Private and Commercial Vehicles up to 3.5 Tons

Art. Nr.

SO 220	SAE 0W-16 SN PLUS API SP API SN RC (Resource Conserving) API SN Plus ILSAC GF-6
SO 221	KOSMOS SAE 0W-20 LSPI ACEA C5 API SP API SN Plus / RC ILSAC GF-5 ILSAC GF-6 MB 229.71 BMW LL-17 FE+ (compatible with LL-14 FE+) JAGUAR/LAND ROVER STJLR 03.5006 OPEL/Vauxhall OV0401547 FIAT 9.55535-GSX level Chrysler MS 12145 level
SO 223	MATRO L-4 SAE 0W-20 ACEA 16: C5 VW 508 00, 509 00 JAGUAR LAND ROVER STJLR.51.5122 PORSCHE C20
SO 225	GENOS SAE 0W-20 API SN / RC ILSAC GF-5 GM/OPEL dexos1™ Gen 2 FORD WSS-M2C947-A FIAT 9.55535-CR1 - level CHRYSLER MS-6395 - level
SO 227	SAE 0W-20 SYNTHO LA ACEA 16: C2 API SN, SM / CF FIAT 9.55535-DSX - level
SO 227.1	HELIOS V SAE 0W-20 (VOLVO) ACEA 16: C5 ACEA 12: A1/B1 Volvo VCC RBS0-2AE
SO 228	SAE 0W-30 Synthoplus VOLLSYNTH ACEA 12: A3, B3, B4 API SL, SJ/CF EC MB 229.3 - level BMW LongLife-01 – level Audi (VW 503 01) - level VW 503 01, 502 00, 505 00 - level
SO 228.1	SAE 0W-30 Synthoplus SSL (VOLVO) VOLLSYNTH ACEA 16: A5, B5 API SL / CF EC VOLVO 95200377 FIAT 9.55535-G1 - level

Engine Oils

Engine Oil for Private and Commercial Vehicles up to 3.5 Tons

Art. Nr.

SO 231	SAE 0W-40 VOLLSYNTH ACEA 12: A3, B3, B4 API SN, SM / CF EC BMW LL-01 - level MB 229.5, 229.3 - level PORSCHE A40 - level RENAULT RN0700/0710 - level VW 502 00, 505 00 – level CHRYSLER MS-10725, MS-10850 – level
SO 232	SAE 0W-50 VOLLSYNTH ACEA 12: A3, B3, B4 API SM / CF MB 229.5 - level VW 502 00, 505 00 - level PORSCHE A40 - level
SO 233	GENOS SAE 5W-30 API SN / RC ILSAC GF-5 GM/OPEL dexos1™ Gen 2 FORD WSS-M2C946-A FIAT 9.55535-CR1 - level CHRYSLER MS-6395 – level
SO 233.1	SAE 5W-30 LSPI 12-FE ACEA 16: C2 API SN plus BMW LL 12-FE
SO 233.3	SAE 5W-30 FD 913-D SYNTH ACEA 16: A5, B5 ACEA 12 A1, B1 FORD M2C 913-D, 913-C (913-A, 913-B, 912-A) JAGUAR/LAND ROVER STJLR.03.5003 RENAULT RN0700
SO 234.2	SAE 5W-30 SPS SYNTH ACEA 16: A3, B3, B4 API SL/CF BMW LL-98 - level MB 229.3 VW 502 00, 505 00
SO 234.4	SAE 5W-30 Magis SYNTH ACEA 16: A3, B3, B4 API SL/CF BMW LL-01- level MB 229.5, MB 226.5 VW 502 00, 505 00 OPEL /GM-LL-A-025 / GM- LL-B-025 RENAULT RN0700 JASO MA2

Engine Oils

Engine Oil for Private and Commercial Vehicles up to 3.5 Tons

Art. Nr.

SO 234.5	SAE 5W-30 Matro L-3 low SAPS SYNTH ACEA 16: C3 API SN VW 504 00, 507 00 MB 229.51 BMW LL-04 (до 06.2019) PORSCHE C30
SO 235	SAE 5W-40 Omnis VOLLSYNTH ACEA 12: A3, B3, B4 API SN, SM, SL / CF MB 229.5 VW 502 00, 505 00 OPEL GM-LL-B-025 (Dieselmotoren) BMW LL-01
SO 236.2	SAE 5W-40 SPS SYNTH ACEA 16: A3, B3, B4 API SN / CF BMW LL-98 - level MB 229.3 VW 502 00, 505 00 OPEL /GM-LL-A-025 / GM- LL-B-025
SO 236.3	SAE 5W-40 Magis SYNTH ACEA 12: A3, B3, B4 API SN / CF MB 229.5, 226.5 BMW LL-01- level VW 502 00, 505 00 OPEL /GM-LL-A-025 / GM- LL-B-025 RENAULT RN0700/0710 PORSCHE A40 PSA B71 2296 - level JASO MA2 FIAT 9.55535-D2, G2, H2, M2, N2, T2, Z2 - level
SO 237	SAE 5W-50 VOLLSYNTH ACEA 12: A3, B3, B4 API SM, SL/CF Performance - level: MB 229.5 VW 502 00, 505 00 Porsche A40
SO 240	SAE 10W-30 TEILSYNTH ACEA 12: A3, B3, B4 API SL/CF MB 229.1 - level VW 500 00, 501 01, 505 00

Engine Oils

Engine Oil for Private and Commercial Vehicles up to 3.5 Tons

Art. Nr.

SO 244.1	SAE 10W-40 SPX TEILSYNTH ACEA 16: A3, B3, B4 API SN, SM / CF MB 229.3 VW 500 00/501 01, 502 00, 505 00, RENAULT RN0700 PSA B71 2300 (2294) - level FIAT 9.55535-D2, G2, H2 – level
SO 245	SAE 10W-40 TEILSYNTH ACEA 16: A3, B3, B4 API SL / CF VW 500 00, 501 01, 505 00 - level MB 229.1 FIAT 9.55535-D2, G2 - level
SO 245.1	10W-40 PKW SYNTH API SN VW 500 00, 501 01, 505 00 - level MB 229.1 - level
SO 246	SAE 15W-40 ACEA 12: A3, B3, B4 API SL/CF MB 229.1 VW 505 00, 501 01 PSA B71 2295 - level
SO 247	SAE 20W-50 ACEA 12: A3, B3, B4 API SL/CF MB 229.1 VW 505 00, 501 01
SO 247.1	SAE 15W-50 ACEA 12: A3, B3, B4 API SL/CF MB 229.1 VW 505 00, 501 01
SO 247.2	SAE 60 API SL/CF
SO 248	SAE 10W-50 VOLLSYNTH ACEA 10: A3, B3, B4 API SN, SM, SL/CF Performance - level: MB 229.3 VW 502 00, 505 00
SO 250	SAE 10W-60 Racing VOLLSYNTH ACEA 12: A3, B3, B4 - level API SN, SM/CF

Engine Oils

Engine Oil for Private and Commercial Vehicles up to 3.5 Tons

Art. Nr.

SO 251	SAE 15W-50 VOLLSYNTH ACEA 12: A3, B3, B4 API SN, SM, SL / CF Performance - level: MB 229.3 VW 502 00, 505 00
SO 252	SAE 20W-50 Racing ACEA 12: A3, B3, B4 - level API SN / CF
SO 255	SAE 20W-60 VOLLSYNTH ACEA 10: A3, B3, B4 - level API SN, SM, SL / CF
SO 256	XANTHO C2/C3 SAE 5W-30 ACEA 16: C2, C3 API SN, SM MB 229.51, 229.31 VW 502 00, 505 00, 505.01 (Pumpe-Düse) - level OPEL / GM Dexos 2 - level
SO 256.1	LA-C3 SAE 5W-30 low SAPS SYNTH ACEA 12: C3 MB 229.31 - level VW 502 00, 505 00 - level RENAULT RN0700 - level
SO 257	SAE 5W-30 DPF Plus C3 low SAPS SYNTH ACEA 16: C3 API SN, SM/CF MB 229.52, 229.51, 229.31 BMW LL-04 (до 06.2019) VW 502 00, 505 00, 505.01 (Pumpe-Düse) OPEL/ GM Dexos 2 (ersetzt und erfüllt GM-LL-A-025/B-025) FIAT 9.55535-S3 - level CHRYSLER MS 11106 – level
SO 257.1	SAE 5W-40 DPF Plus C3 low SAPS SYNTH ACEA 16: C3 API SN, SM/CF MB 229.51, 229.31 BMW LL-04 (до 06.2019) VW 502 00, 505 00, 505 01 (Pumpe-Düse) FORD WSS-M2C 917-A (Pumpe-Düse) OPEL / GM Dexos 2 Porsche A40 FIAT 9.55535-GH2, H2, S2, T2, Z2 - level
SO 258	ATLAS C3 SAE 5W-30 ACEA 16: C3 API SN plus BMW LL-04 MB 229.52, 229.51, 229.31 FIAT 9.55535-S3 – level Chrysler MS 11106 – level

Engine Oils

Engine Oil for Private and Commercial Vehicles up to 3.5 Tons

Art. Nr.

SO 258.2	SAE 5W-20 C2 low SAPS SYNTH ACEA 16: C2 API SN, SM / CF
SO 258.4	SAE 5W-30 PC PLUS low SAPS SYNTH ACEA 16: C2 PSA Peugeot-Citroën B71 2290 (2019) IVECO 18-1811 Sp-S1, Sp-SC1 – level FIAT 9.55535 S1 - level
SO 259	SAE 5W-30 DPF Plus C1 low SAPS SYNTH ACEA 16: C1 ACEA 07: A1, B1, A5, B5 JASO DL-1
SO 259.2	SAE 5W-30 FD-34 ACEA 16: C1 ACEA 12: C2 FORD WSS-M2C934-B (obsolete) Jaguar/Land Rover STJLR.03.5005
SO 259.3	SAE 5W-20 FD-48 ACEA 16: C5 ACEA 12 A1, B1 API SN FORD WSS-M2C948-B Jaguar/Land Rover STJLR.03.5004
SO 259.4	SAE 0W-30 FD-50 ACEA 16: C2 FORD WSS-M2C950-A Jaguar/Land Rover STJLR.03.5007 FIAT 9.55535-DS1, GS1 - level
SO 260	SAE 5W-30 DPF Plus C4/C3 low SAPS SYNTH ACEA 16: C3, C4 RENAULT RN0720 MB 226.51/229.51 FIAT 9.55535-S3, S4 - level
SO 260.1	SAE 5W-30 RNT ACEA 16: C3 RENAULT RN17
SO 261	PC-SYNTHO SAE 0W-30 ACEA 16: C2 PSA B71 2312 FIAT 9.55535-DS1, GS1 - level
SO 258.1	SAE 5W-30 DPF Plus C2 low SAPS SYNTH ACEA 16: C2, A5/B5 API SN, SM / CF PSA Peugeot-Citroën B71 2290 (2018) IVECO 18-1811 Sp-S1, Sp-SC1 – level FIAT 9.55535-G1, S1 - level

Engine Oils

Engine Oil for Commercial Vehicles with Diesel Engines

Art. Nr.

SO 267	<p>SAE 10W-40 LS-HD ACEA 16: E6, E7 MB 228.51 MAN M 3477 VOLVO VDS-3 RENAULT TRUCK RXD DEUTZ DQC IV-10 LA MTU Typ 3.1</p>
SO 269	<p>ADC-GLOBAL SE 10W-40 low SAPS SYNTH Подходит для всех систем очистки выхлопных газов ACEA 16: E6, E7, E9 API CK-4, CJ-4 MB 228.51, 228.31 MAN M 3477, M 3575, M 3271-1 SCANIA LA (low Ash) VOLVO VDS-4, VDS-3 RENAULT RLD-3 MACK EO-O Premium Plus MTU Typ 3.1, Typ 2.1 DEUTZ DQC IV-10 LA CATERPILLAR ECF-3, ECF-2, ECF-1-a CUMMINS CES 20081 IVECO 18-1804 TLS E9 / 18-1809 NGI 1, NGI 2 Detroit Diesel Power Guard 93K218</p>
SO 270.1	<p>SAE 10W-40 TNX-3 SYNTH ACEA 16: E4, E7 API CF MB 228.5 MAN M 3277 VOLVO VDS-3 SCANIA LDF-2, LDF-3 RENAULT TRUCK RXD DAF extended drains MTU Typ 3 CUMMINS CES 20072</p>
SO 271	<p>SAE 10W-40 TNX-3 SYNTH ACEA 16: E4, E7 API CF MB 228.5 MAN M 3277 VOLVO VDS-3 SCANIA LDF-2, LDF-3 RENAULT TRUCK RXD DAF extended drains MTU Typ 3 CUMMINS CES 20072</p>

Engine Oils

Engine Oil for Commercial Vehicles with Diesel Engines

Art. Nr.

SO 273	<p>SAE 5W-30 EGR / XD VOLLSYNTH ACEA 12: E4, E7 API CI-4 / CH-4 / CG-4 / CF-4 MB 228.5 MAN M 3277, 3377 RENAULT VI RXD, RLD-2 VOLVO VDS-3 CATERPILLAR ECF-2, ECF-1-a CUMMINS CES 20076/78 DEUTZ DQC IV-10 GLOBAL DHD-1 MACK EO-M Plus, EO-N MTU Typ 3 JASO DH-1</p>
SO 274.1	<p>SAE 5W-30 UHPD ECO low SAPS VOLLSYNTH Подходит для всех систем очистки выхлопных газов MB 228.61</p>
SO 275	<p>SAE 5W-30 DIESEL SYNTHECO low SAPS VOLLSYNTH Подходит для всех систем очистки выхлопных газов ACEA 16: E6, E7, E9 API CJ-4, CI-4, CH-4, CG-4, CF-4 / SN MB 228.51, MB 235.28 MAN M 3677, M 3477 VOLVO VDS-4, VDS-3 SCANIA LDF-4 RENAULT VI RXD / RLD-3, RLD-2 DEUTZ DQC IV-10 LA MTU Typ. 3.1 CAT ECF-3, ECF-2, ECF-1a MACK EO-O PP, EO-M PLUS, EO-N PP JASO DH-2 VOITH Oil Class B CNG (двигатели на газе): MB 228.51 / 226.9 MAN 3271-1 RENAULT TRUCK RGD VOLVO CNG</p>
SO 276	<p>SAE 5W-30 DIESEL ECO POWER low SAPS FULL SYNTH Подходит для всех систем очистки выхлопных газов ACEA 16: E6, E7, E9 API CK-4, CJ-4 / SN MB 228.51, MB 228.31 MAN M 3575 VOLVO VDS-4.5 RENAULT RLD-3 CAT ECF-3, ECF-2, ECF-1a MACK EO-S-4.5 DEUTZ DQC IV-10 LA DETROIT DIESEL DFS 93K222</p>

Engine Oils

Engine Oil for Commercial Vehicles with Diesel Engines

Art. Nr.

SO 281	SAE 15W-40 CJ-4 low SAPS Подходит для всех систем очистки выхлопных газов ACEA 16: E9 API CJ-4 / SN, SM MB 228.31 MAN M 3575 RENAULT VI RLD-3 VOLVO VDS-4, VDS-3 DEUTZ DQC III-10 LA MTU Typ 2.1 CATERPILLAR ECF-3, ECF-2, ECF-1-a CUMMINS CES 20081 DETROIT DIESEL POWER GUARD 93K218
SO 282	SAE 10W-30 CJ-4 low SAPS Подходит для всех систем очистки выхлопных газов ACEA 16: E9 API CJ-4 / SN, SM MB 228.31 MAN M 3575 RENAULT VI RLD-3 VOLVO VDS-4, VDS-3 DEUTZ DQC III-10 LA MTU Typ 2.1 CATERPILLAR ECF-3, ECF-2, ECF-1-a CUMMINS CES 20081 DETROIT DIESEL POWER GUARD 93K218
SO 283	SAE 10W-40 LA-MD low SAPS SYNTH Подходит для всех систем очистки выхлопных газов ACEA 16: E9 API CJ-4 / SN, SM CATERPILLAR ECF-3, ECF-2, ECF-1-a MB 228.31 MAN M 3575 MTU Typ 2.1 RENAULT VI RLD-3 VOLVO VDS-4, VDS-3 DEUTZ DQC III-10 LA CUMMINS CES 20081 DETROIT DIESEL POWER GUARD 93K218
SO 284	SAE 10W-30 DIESEL FE low SAPS SYNTH Подходит для всех систем очистки выхлопных газов ACEA 16: E9 API CK-4 / SN CATERPILLAR ECF-3, ECF-2, ECF-1-a MB 228.31 MAN M 3575 MTU Typ 2.1 RENAULT VI RLD-3 VOLVO VDS-4.5 DEUTZ DQC III-10 LA DAF (ACEA E9) CUMMINS CES 20081/20086 DETROIT DIESEL DFS 93K222

Engine Oils

Oil for Motorcycles with Four-Stroke Engine

API SM, SL, SJ, SH, SG JASO MA/MA 2

Art. Nr.

SO 293	SAE 50 Moto JASO MA
SO 294	Racing 4T - SAE 10W-50 Moto VOLLSYNTH JASO MA 2
SO 294.1	Racing 4T - SAE 10W-60 Moto VOLLSYNTH JASO MA 2
SO 294.3	4T MOTO RACING SAE 10W-60 - FULLY SYNTH (PAO) API SM, SL, SJ, SH, SG JASO MA 2 / MA
SO 295	SAE 20W-50 Moto JASO MA 2
SO 296	SAE 15W-50 Moto JASO MA 2
SO 296.1	Racing 4T - SAE 15W-50 Moto VOLLSYNTH JASO MA 2
SO 297	SAE 10W-40 Moto TEILSYNTH JASO MA 2
SO 297.1	SAE 10W-40 Moto SYNTH JASO MA 2
SO 297.2	SAE 5W-40 Moto SYNTH JASO MA 2

Engine Oil for Marine Four-Stroke Engines

Art. Nr.

SO 219.1	SAE 15W-50 LDX Marine M ACEA 12: E7, A3, B4 API CI-4 VOLVO VDS-3, MB 228.3
SO 219.2	SAE 15W-50 LDX Marine TS TEILSYNTH ACEA 12: E7, A3, B4 API CI-4 VOLVO VDS-3, MB 228.3
SO 251	SAE 15W-50 VOLLSYNTH ACEA 12: A3, B4 API SN, SM
SO 299	4T FC-W SAE 10W-30 SYNTH 4-Takt (подвесной и внутренний) NMMA FC-W Catalyst compatibile, NMMA FC-W
SO 300	4T FC-W SAE 10W-40 SYNTH 4-Takt (подвесной и внутренний) NMMA FC-W Catalyst compatibile, NMMA FC-W

Engine Oils

Engine Oil for Two-Stroke Engines

Art. Nr.

SO 302	<p>2-T JASO FB API TC ASTM TSC-3 SAE M/F 2 ISO-L-EGB (ETB)</p>
SO 305	<p>2-T TEILSYNTH LOW SMOKE JASO FC low smoke API TC PLUS ASTM TSC-3 PLUS SAE M/F 2 ISO-L-EGD (ETC) PIAGGIO HEXAGON HUSQVARNA TISI</p>
SO 307	<p>2-T VOLLSYNTH SMOKELESS JASO FD API TC PLUS ASTM TSC-3 PLUS GLOBAL GD SAE M/F 3 ISO-L-EGD (ETC)</p>
SO 308	<p>2-T Competition Synth Universal FULL SYNTH SMOKELESS JASO FD ISO-L-EGD API TC PLUS TC-W3 NMMA TC-3/outboard SAE M/F 3 Для 2-тактных двигателей с большой нагрузкой. Особенно подходит для использования в спорте.</p>
SO 309	<p>2-T Bio Universal VOLLSYNTH API TC PLUS (TD) ASTM TSC-4 NMMA TC-W3, NMMA TC-W II SAE M/F 3 ISO-L-ETD Для подвесных двигателей и для 2-тактных двигателей с воздушным охлаждением. Не содержит растворителей, биоразлагаемый</p>

Gas Engine Oils

Art. Nr.

SO 315	Natural Gas Engine Oil SAE 30
SO 316	Natural Gas Engine Oil SAE 40
SO 317	Natural Gas Engine Oil SAE 40 VOLLSYNTH
SO 318	Biogas Engine Oil SAE 40
SO 325	SAE 15W-40 Turbo gas for vehicles MAN 3271 MB 226.9 VOLVO CNG RENAULT RGD

Tractor Oils

STOU – Super Tractor Oil Universal

Art. Nr.

SO 331	STOU SAE 10W-30 API CF-4, CE, CF/SF API GL-4 ACEA E2 (CCMC D4) JOHN DEERE JDM J27 MB 227.1 MB 228.1 performance - level MASSEY FERGUSON M 1145, M 1144, M 1139 FORD M2C 159-B1/C1, 134 B/C ALLISON C-4 ZF TE-ML 06B, 06, 07B
SO 332	SUPERSTOU SAE 10W-40 API CF-4, CE, CF/SF API GL-4 ACEA E2 (CCMC D4) JOHN DEERE JDM J27, J20 C MB 227.1 MB 228.1 performance - level MASSEY FERGUSON M 1145, M 1144, M 1139 FORD M2C 159-B3/C3, 134 B/C/D ALLISON C-4 ZF TE-ML 06B, 06C, 07B
SO 333	STOU SAE 15W-30 API CF-4, CE, CF/SF API GL-4 ACEA E2 (CCMC D4) JOHN DEERE JDM J27 MB 227.1 MB 228.1 performance - level MASSEY FERGUSON M 1145, M 1144, M 1139, FORD M2C 159-B2/C2 ALLISON C-4 ZF TE-ML 06B, 06C, 07B
SO 334	STOU SAE 15W-40 API CF-4, CE, CF/SF API GL-4 ACEA E2 (CCMC D4) JOHN DEERE JDM J27 MB 227.1 MB 228.1 performance - level MASSEY FERGUSON M 1145, M 1144, M 1139 FORD M2C 159-B3/C3 ALLISON C-4 ZF TE-ML 06B, 06C, 07B

Tractor Oils

UTTO – Universal Tractor Transmission Oil

Art. Nr.

SO 336	<p>UTTO 40 API GL-4 SAE 75W // HVI-HLP ISO 32-46 JOHN DEERE J20 D CASE MS 1207 / 1210 CNH MAT 3505 I H B - 6 ZF TE-ML 03F</p>
SO 336.1	<p>UTTO 102 API GL-4, SAE 75W-80 // HVI-HLP ISO VG 32-46 VOLVO CE WB 102 JOHN DEERE J20 D CNH MAT 3505 NEW HOLLAND NH 410C CASE MS 1207 / 1209 / 1210 MASSEY FERGUSON CMS 1141 ALLISON C-4</p>
SO 337	<p>UTTO 60 API GL-4 SAE 80W // HVI-HLP ISO 46-68 JOHN DEERE J20 C FORD M2C 134 D, M2C 86 C NEW HOLLAND FNHA-2-C-201.00 NEW HOLLAND NH 401B CNH MAT 3525 VOLVO WB 101 MASSEY-FERGUSON M 1145, 1143, 1141, 1129A WHITE FARM Q 1826 CASE MS 1206, 1204 KUBOTA UDT STEYR AGCO-DEUTZ-ALLIS Powerfluid 821 XL ALLISON C-4 ZF TE-ML 03E, 05F, 06K, 17E, 21F</p>
SO 338	<p>UTTO 80 API GL-4 SAE 80W // HLP ISO 68-100 FIAT, SAME, HÜRLIMANN, LAMBORGHINI, LANDINI, RENAULT NEW HOLLAND ESN-M2C 86B, 86C MASSEY-FERGUSON M1135</p>
SO 338.1	<p>UTTO 79 API GL-4 SAE 80W // HLP ISO 68-100 Allison C-4 Case MS 1209 Case New Holland CNH MAT 3505, 3509 (M2C 48B), 3525 (M2C 134D) Ford ESN M2C 86B/C FNHA-2-C-201.00 John Deere JDM J20C Massey Ferguson M1135, M1141, M1143, M1145 Landini / Renault / Claas (Renault Transmissions) Same Deutz / Fahr (Same Transmissions)</p>

Tractor Oils

UTTO – Universal Tractor Transmission Oil

Art. Nr.

SO 339	UTTO SPECIAL API GL-4 SAE 80W // HLP ISO 68-100 CASE MS 1207, 1206 CNH MAT 3505, 3525 FORD M2C - 134D FNHA -2-C-201.00 JD J20C MASSEY-FERGUSON M 1143, M 1141 VOLVO VCE WB 101 AGCO-WHITE FARM Q-1826 AGCO-DEUTZ-ALLIS Powerfluid 821 XL ZF TE-ML 03E, 05F, 06K ALLISON C-4
--------	--

SO 340	UTTO ZF SAE 20W-40 API GL-4 ZF TE-ML-05E, 06K
--------	--

CAT TO-4

Art. Nr.

SO 341	Caterpillar TO-4 TRANSMISSION FLUID SAE 10W API GL-4 CATERPILLAR TO-4 (TDTO) ALLISON C-4 KOMATSU MICRO-CLUTCH KOMATSU KES 07.868.1 ZF TE-ML 03C
--------	---

SO 342	Caterpillar TO-4 TRANSMISSION FLUID SAE 30 API GL-4 API CF CATERPILLAR TO-4 (TDTO) ALLISON C-4 KOMATSU MICRO-CLUTCH KOMATSU KES 07.868.1 ZF TE-ML 03C, 07D, 07F
--------	---

SO 343	Caterpillar TO-4 TRANSMISSION FLUID SAE 50 CAT. TO-4 (TDTO)
--------	---

Automatic Transmission Fluid

ATF

Art. Nr.

SO 349	ATF Typ A Suffix A MB 236.2
SO 350	ATF Universal DEXRON® – II D FORD MERCON® Typ A Suffix A MB 236.6 MAN 339 D ALLISON C-3, C-4 CATERPILLAR TO-2 ZF TE-ML 03D, 04D, 05L, 09, 11A, 14A, 17C, 21L VOITH H 55.6335 (G 607) RENK
SO 350.9	SILVER MATIC DEX II-D Performance level: DEXRON® – II D FORD MERCON® GM TASA ALLISON C-3, C-4 CATERPILLAR TO-2 ZF TE-ML 05L, 09, 21L
SO 351	ATF Dexron – III H TEILSYNTH ATF DEXRON® – III H FORD MERCON® MB 236.1, 236.5, 236.6, 236.7, 236.9, 236.10 MAN 339 Type Z-1; Type V-1 ZF TE-ML 02F, 03D, 04D, 05L, 09, 11B, 14B, 16L, 17C, 21L CATERPILLAR TO-2 VOITH H55 6335 (G 607) VOLVO 97341, 97340 ALLISON C-3, C-4
SO 351.9	SILVER MATIC DEX III-H Performance level: ATF DEXRON® – III H FORD MERCON® ZF TE-ML 05L, 09, 21L CATERPILLAR TO-2 VOLVO 97340 ALLISON C-3, C-4

Automatic Transmission Fluid

ATF

Art. Nr.

SO 354	<p>ATF GLOBAL SYNTH GM DEXRON® III H, III G, II D FORD MERCON® V ALLISON C-4 JASO 1-A M315 VOLVO 97341 VOITH H55.6336.XX</p> <p>Performance and approvals: ALLISON TES-295 CATERPILLAR TO-2 MAN 339 Z-2, Z-11 - approvals MAN 339 L-1, V-1, V-2, Z-1 MB 236.1, 236.2, 236.5, 236.6, 236.7, 236.9, 236.10, 236.11 VOITH H55.6336 (G 1363) VOLVO 97341, 97340 ZF TE-ML 04D, 14B, 16L, 20B, 25B - approvals ZF TE-ML 03D, 05L, 09, 11B, 14A, 16C, 17C</p> <p>BMW ETL-7045E, ETL-8072B, LA2634, LT71141 CHRYSLER ATF+3, ATF+4, Mopar AS68RC DAIMLER NAG-1 (3403) FORD M, FORD FNR5 HONDA ATF-Z1 JATCO 3100 PL085 JWS 3309 (Aisin Warner) MAZDA ATF-M III, ATF-M V NISSAN N402, MATIC-D/J/K SP-II, SP-III (HYUNDAI, KIA, MITSUBISHI) SUBARU ATF, ATF-HP SUZUKI 3317 TOYOTA T-II, T-III, T-IV VOLVO (4, 5, 6 Speed automatic transmissions) VW (AUDI) G 055 025 A2 (TL52025), G 052 162 A1 (TL52162) G 052 990 (TL52990) и др. (see specifications)</p>
--------	--

SO 355	<p>ATF Universal DEXRON® – II D FORD MERCON® Typ A Suffix A MB 236.6 MAN 339 D ALLISON C-3, C-4 CATERPILLAR TO-2 ZF TE-ML 03D, 04D, 05L, 09, 11A, 14A, 17C, 21L VOITH H 55.6335 (G 607) RENK</p>
--------	---

Automatic Transmission Fluid

ATF

Art. Nr.

SO 356

ATF Plus SYNTH

DEXRON®-III H
FORD MERCON®, MERCON® V
ALLISON C-4
MB 236.6
MAN 339 Z-1, Z-2
MAN 339 V-1, V-2
VOITH H 55.6336 (G 1363)
ZF TE-ML 04D, 05L, 09, 14B, 16L, 17C

Performance level:

ALLISON TES-295, TES-389
BMW LT 71141, LA 2634
CHRYSLER ATF+3, ATF+4
MAN 339 Z-3
MAZDA ATF-M III, ATF-M V
SP-II, SP-III (HYUNDAI, KIA, MITSUBISHI)
TOYOTA T-II, T-III, T-IV
VW TL 52162
ZF TE-ML 14C

SO 357

ATF DEXRON® VI SYNTH

DEXRON® –VI and previous
JASO M315 1A-LV
Performance level:
AISIN WARNER AW-1
FORD M-SP, LV FNR5
HONDA ULTRA II, DW-1
HYUNDAI DW-1, SP-IV, SP-IV M, SP-IV RR, SP4-M, SPH-IV, NWS 9638
JASO M315 2A
KIA Red-1K, SP-IV, SP-IV M, SP-IV RR, SPH-IV, NWS 9638
MB 236.12, 236.14, 236.41
MITSUBISHI ATF J3, ATF PA, Diaqueen ATF J3, Diaqueen SP-IV
NISSAN MATIC-S, W
Shell M-1375.4
SUZUKI ATF AW-1
VW (AUDI) G 055 005, G 055 162, G 055 540, G 060 162
ZF 6-HP, 8-HP, 9-HP (6-/8-/9-speed automatic transmission)
и др. (see specifications)

SO 358

ATF TREX VOLLSYNTH

MAN 339 Z-3
MB 236.8, 236.81, 236.9, 236.91
ZF TE-ML 14C, 16M, 16S, 20C, 25C

+ all SO 354 product specifications

DCT und CVT Fluid

DCT (Dual Clutch Transmission)

Art. Nr.

SO 363	DCT Fluid FULL SYNTH BMW (83 22) 0 440 214, 2 148 578, 2 148 579, 2 147 477 Chrysler Citroën (PSA 97343.S2) FORD M2C 936A (XT-11 QDC), 6DCT 450-MPS6 MB 236.21 Mitsubishi Diaqueen SSTF-I (MZ320065) Nissan (WSS-M2C-936-A) Porsche Oil No. 999.917.080.00 Peugeot (PSA 97343.S2) Volvo 116 1838, 116 1839 VW (AUDI/SEAT/SKODA) G 052 182, G 052 529, G 055 529 TL 52 182, TL 52 529 6-speed DCT (DQ250), 7-speed DCT (DQ500)
--------	--

CVT (Continuous Variation Transmission)

Art. Nr.

SO 365	CVT Fluid FULL SYNTH BMW/Mini EZL 799, 799A DAIHATSU Ammix CVTF-DC Ford M2C-928A (CVT-23), 933A (CVT30) Mercon C GM/Saturn DEX-CVT Honda CVT Fluid, HCF-2, HMMF Hyundai Genuine CVTF JWS 3320 (Mazda, Suzuki) Mazda CVTF, CVTF 3320 Mercedes Benz 236.20 Mitsubishi Diaqueen CVTF-J1, CVTF J4 Nissan NS-1, NS-2, NS-3 Subaru E-CVT, High Torque CVTF, Lineartronic CV-30/CVTF-II Suzuki CVTF Green 1, Green 2, High torque CVTF 3320 Toyota TC, FE VW (AUDI/SEAT/SKODA) G 052 180, G 052 516 TL 52 180, TL 52 516
--------	--

Transmission Oil

API GL-4 MIL-L-2105

Art. Nr.

SO 387 **SAE 75W-80 VOLLSYNTH**

SO 389 **SAE 75W**

SO 390 **GETRANS SAE 80W**
 MB 235.1
 MAN 341 Z-1 (341 N), Z-2 (341 ML) – до 2015
 ZF TE-ML-06L, 08, 17A

SO 391 **SAE 90**
 MAN 341 Z-1 (341 N), Z-2 (341 ML) – до 2015
 ZF TE-ML-16A, 17A, 19A

SO 392 **SAE 140**

SO 392.9 **SILVER SAE 140**

SO 393 **SAE 75W-90**

SO 393.9 **SILVER SAE 75W-90**

SO 394 **SAE 80W-90**
 MAN 341 Z-1 (341 N), Z-2 (341 ML) – до 2015
 ZF TE-ML 08, 16A, 17A, 19A

SO 394.9 **SILVER SAE 80W-90**

SO 395 **SAE 85W-140**

SO 399 **SAE 75W-80 MT-MULTI**
 Multi Vehicle Manual Transmission Fluid

SO 399.1 **SAE 75W-85 MT-MULTI**
 Multi Vehicle Manual Transmission Fluid

SO 399.2 **SAE 75W-90 MT-MULTI**
 Multi Vehicle Manual Transmission Fluid

SO 401 **SAE 75W-90 MB 235.11**
 MAN 341 Typ MB
 (Original Produkt)

SO 401.1 **SAE 75W-90 Volvo 97315**
 (Original Produkt)

Transmission Oil

API GL-4 MIL-L-2105

Art. Nr.

SO 402	SAE 75W-80	MAN 341 Z-5 MB 235.28 Volvo 97307 ZF TE-ML 01E, 02E, 16P
--------	-------------------	---

(Original Produkt)

SO 402.1	SAE 75W-80	Voith Typ C Volvo 97318 (97307) MAN 341 Typ E4 (performance)
----------	-------------------	---

(Original Produkt)

SO 403	SAE 75W-80 SK	ZF TE-ML 01L, 02L (max. 360'000 Km), 08, 16K MAN 341 Z-4, E-3 (max. 320'000 Km) EATON (300'000 Km) DAF / IVECO RENAULT (Technical Note B0032 Appendix 2) VOLVO 97305
--------	----------------------	---

SO 403.1	SAE 75W-85 SK	ZF TE-ML-02B, 02D, 08
----------	----------------------	------------------------------

Transmission Oil

API GL-5 MIL-L-2105 D

Art. Nr.

SO 409 **SAE 75W**

SO 410 **SAE 80W**
MAN 342 M-1 (342 N) - до 2015

SO 411 **SAE 90**
MAN 342 M-1 (342 N) - до 2015
MB 235.0
VOLVO 97310

SO 411.9 **SILVER SAE 90**

SO 412 **SAE 140**

SO 412.9 **SILVER SAE 140**

SO 413 **SAE 250**

SO 414 **SAE 75W-90**

SO 414.1 **SAE 75W-90 SYNTH**
VOLVO 97316 / GO 101

SO 414.9 **SILVER SAE 75W-90**

SO 415 **TENAX SAE 80W-90**
MAN 342 M-1 (342 N) - bis 2015
MB 235.0
VOLVO 97310

SO 415.1 **LONGAX SAE 80W-90 (235.20)**
API GL-5, MT-1
MB 235.20 (+ MB 235.0 / 235.6) – до 320'00 Km
MAN 341 GA1 – до 240'000 Km
MAN 342 M-3 – до 320'000 Km
SCANIA STO 1:0

SO 415.9 **SILVER SAE 80W-90**

SO 416 **SAE 80W-140**

SO 417 **SAE 85W-90**
MAN 342 M-1 (342 N) - до 2015
MB 235.0

SO 418 **SAE 85W-140**
VOLVO 97310

SO 418.9 **SILVER SAE 85W-140**

Transmission Oil

LSA API GL-5 Slippage limiter for self-locking differentials

Art. Nr.

SO 432 **SAE 90**

SO 433 **SAE 75W-90**

SO 434 **SAE 75W-90 VOLLSYNTH**

SO 434.1 **SAE 75W-90 VOLLSYNTH PAO/VHVI**

SO 435 **SAE 85W-90**

SO 436 **SAE 85W-90 VOLLSYNTH**

Transmission Oil

Universal Transmission Oil

API GL-4, GL-5, MT-1
MIL-L-2105
MIL-L-2105 D
MIL-PRF-2105 E

Art. Nr.

SO 437 **SAE 75W-80**

SO 439 **SAE 75W-80 VOLLSYNTH**

SO 440 **SAE 75W-80 TEILSYNTH**

SO 441 **SAE 75W-90 EHVI SYNTHSEBASIS**

SO 442 **GEAR UNISYNTH SAE 75W-90 - SYNTH**
MAN 341 Z-2, 342 M-3
SAE J2360
ARVIN MERITOR 076-E
SCANIA STO 1:0
DAF (API GL-5, MIL-PRF-2105 E)
IVECO (MIL-PRF-2105 E)
Renault Trucks (MIL-PRF-2105 E)
EATON

SO 443 **SAE 75W-90 VOLLSYNTH**

SO 443.2 **GEMAX TDL SAE 75W-90 - VOLLSYNTH**
MB 235.8 (bis 500'000 km)
MAN 342 S-1, 342 M-3
MAN 341 Z-2, 341 E-3
MAN 3343 Typ S (3343 SL) – до 2012

- Achsen до 320'000 km
- Manual gearbox up to 160'000 km

SAE J2360
ARVIN MERITOR 076-E
SCANIA STO 1:0
VOLVO 97310, 97312, 97316 level
MACK GO-J
DAF (API GL-5, MIL-PRF-2105 E)
IVECO (MIL-PRF-2105 E)
Renault Trucks (MIL-PRF-2105 E)
EATON

SO 444 **SAE 80W-90**
MB 235.0
MAN 341 Z-2, 342 M-2
MAN 3343 M (3343 ML) – bis 2012

- Achsen до 160'000 km
- Manual gearbox up to 160'000 km

SCANIA STO 1:0

Transmission Oil

Universal Transmission Oil

API GL-4, GL-5, MT-1
MIL-L-2105
MIL-L-2105 D
MIL-PRF-2105 E

Art. Nr.

SO 445	SAE 80W-140 SCANIA STO 1:0 VOLVO 97310
SO 446	SAE 85W-140 SCANIA STO 1:0 VOLVO 97310
SO 447	SAE 75W-140 VOLLSYNTH SCANIA STO 1:0
SO 450	SAE 75W-85 VOLLSYNTH
SO 451	SAE 75W-85 VOLLSYNTH

Industrial Transmission Oils

Industrial Gear Protect

DIN 51502 CLP
DIN51517 TEIL 3
FLENDER

Art. Nr.

SO 482	ISO 68
SO 483	ISO 100
SO 484	ISO 150
SO 485	ISO 220
SO 486	ISO 320
SO 487	ISO 460
SO 488	ISO 680
SO 489	ISO 1000

Industrial Gear VOLLSYNTH

DIN 51502 CLP
DIN51517 TEIL 3
FLENDER

Art. Nr.

SO 490	ISO 68
SO 491	ISO 100
SO 492	ISO 150
SO 493	ISO 220
SO 494	ISO 320
SO 495	ISO 460
SO 496	ISO 680
SO 497	ISO 1000

Industrial Transmission Oils

Industrial Gear PG (Polyglykole)

Art. Nr.

SO 491.1	ISO 100
----------	----------------

SO 492.1	ISO 150
----------	----------------

SO 493.1	ISO 220
----------	----------------

SO 494.1	ISO 320
----------	----------------

SO 495.1	ISO 460
----------	----------------

SO 497.1	ISO 1000
----------	-----------------

Industrial Gear BIO VOLLSYNTH (Ester)

Art. Nr.

SO 490.2	ISO 68
----------	---------------

SO 491.2	ISO 100
----------	----------------

SO 492.2	ISO 150
----------	----------------

SO 493.2	ISO 220
----------	----------------

SO 494.2	ISO 320
----------	----------------

Hydraulic Oils

HLP DIN 51524 TEIL 2

Art. Nr.

SO 501	ISO 5
--------	--------------

SO 502	ISO 10
--------	---------------

SO 503	ISO 15
--------	---------------

SO 504	ISO 22
--------	---------------

SO 505	ISO 32
--------	---------------

SO 506	ISO 46
--------	---------------

SO 507	ISO 68
--------	---------------

SO 508	ISO 100
--------	----------------

SO 509	ISO 150
--------	----------------

SO 510	ISO 220
--------	----------------

SO 511	ISO 320
--------	----------------

SO 512	ISO 460
--------	----------------

SO 513	ISO 680
--------	----------------

Hydraulic Oils

HVI - HLP DIN 51524 TEIL 3

Art. Nr.

SO 521	ISO 15
--------	---------------

SO 522	ISO 22
--------	---------------

SO 523	ISO 32
--------	---------------

SO 524	ISO 46
--------	---------------

SO 525	ISO 68
--------	---------------

SO 526	ISO 100
--------	----------------

SO 529	Hydraulic Oil Poclairn
--------	-------------------------------

SO 536	ARTIKA 32 Special hydraulic oil with a very high viscosity index (>300). Especially suitable for use at extremely low temperatures.
--------	--

HLP (without Zinc) DIN 51524 TEIL 2

Art. Nr.

SO 540	ISO 5
--------	--------------

SO 541	ISO 10
--------	---------------

SO 542	ISO 15
--------	---------------

SO 543	ISO 22
--------	---------------

SO 544	ISO 32
--------	---------------

SO 545	ISO 46
--------	---------------

SO 546	ISO 68
--------	---------------

SO 547	ISO 100
--------	----------------

SO 548	ISO 150
--------	----------------

SO 549	ISO 220
--------	----------------

SO 550	ISO 320
--------	----------------

Hydraulic Oils

HVI – HLP (without Zinc) DIN 51524 TEIL 3

Art. Nr.

SO 552	ISO 15
--------	--------

SO 553	ISO 22
--------	--------

SO 554	ISO 32
--------	--------

SO 555	ISO 46
--------	--------

SO 555.1	ISO 46 (VI>200)
----------	-----------------

SO 556	ISO 68
--------	--------

HLP-D (without Zinc) DIN 51524 TEIL 2

Art. Nr.

SO 560	ISO 5
--------	-------

SO 561	ISO 10
--------	--------

SO 562	ISO 15
--------	--------

SO 563	ISO 22
--------	--------

SO 564	ISO 32
--------	--------

SO 565	ISO 46
--------	--------

SO 566	ISO 68
--------	--------

HVI / HLP-D (without Zinc) DIN 51524 TEIL 3

Art. Nr.

SO 582	ISO 32
--------	--------

SO 583	ISO 46
--------	--------

SO 584	ISO 68
--------	--------

Hydraulic Oils

Synthetic Hydraulic Oils

Art. Nr.

SO 594	HYDRO plus 10W
--------	----------------

SO 599	HYDROSYNTH HLP ISO 32 PAO
--------	---------------------------

SO 599.1	HYDRO plus HLP ISO 32
----------	-----------------------

SO 599.2	HYDROSYNTH HVI-HLP ISO 32 PAO
----------	-------------------------------

SO 599.3	HYDRO plus HVI-HLP ISO 32
----------	---------------------------

SO 600	HYDROSYNTH HLP ISO 46 PAO
--------	---------------------------

SO 600.1	HYDRO plus HLP ISO 46
----------	-----------------------

SO 600.2	HYDROSYNTH HVI-HLP ISO 46 PAO
----------	-------------------------------

SO 600.3	HYDRO plus HVI-HLP ISO 46
----------	---------------------------

Biosynthetic Hydraulic Oils

Biodegradable, fully synthetic

HVLP

DIN 51524 TEIL 2

Art. Nr.

SO 601	ISO 15 BIO
--------	------------

SO 602	ISO 22 BIO
--------	------------

SO 603	ISO 32 BIO
--------	------------

SO 604	ISO 46 BIO
--------	------------

SO 605	ISO 68 BIO
--------	------------

Hydraulic Oils

Fireproof Hydraulic Oils

Art. Nr.

SO 610	Thermo HYDRO 46 (Wasser-Glykol) DIN 51 502 HFC, VDMA 24 317
--------	---

SO 611	Thermo BIO 46 (Vollsynth Ester) DIN 51 502 HFDU
--------	---

Hydraulic and Industrial Oils (without Zinc)

HLP / CLP
DIN 51524 TEIL 2
DIN 51517 TEIL 3

Art. Nr.

SO 617	ISO 10
--------	---------------

SO 618	ISO 15
--------	---------------

SO 619	ISO 22
--------	---------------

SO 620	ISO 32
--------	---------------

SO 621	ISO 46
--------	---------------

SO 622	ISO 68
--------	---------------

SO 623	ISO 100
--------	----------------

SO 624	ISO 150
--------	----------------

SO 625	ISO 220
--------	----------------

SO 626	ISO 320
--------	----------------

Chain Oils

Art. Nr.

SO 640	ISO 68
--------	---------------

SO 641	ISO 100
--------	----------------

SO 642	ISO 150
--------	----------------

SO 643	ISO 220
--------	----------------

SO 644	ISO 320
--------	----------------

SO 647	ISO 68 (BIO)
--------	---------------------

Sealing Oils for Frames

Art. Nr.

SO 651	ISO 100
--------	----------------

SO 652	ISO 150
--------	----------------

SO 653	ISO 220
--------	----------------

SO 654	ISO 320
--------	----------------

Compressor Oils

DIN 51502 VD-L DIN 51506

Art. Nr.

SO 660	ISO 32
--------	---------------

SO 661	ISO 46
--------	---------------

SO 662	ISO 68
--------	---------------

SO 663	ISO 100
--------	----------------

SO 664	ISO 150
--------	----------------

SO 665	ISO 220
--------	----------------

SO 666	ISO 320
--------	----------------

SO 668	ISO 32 VOLLSYNTH
--------	-------------------------

SO 669	ISO 46 VOLLSYNTH
--------	-------------------------

SO 670	ISO 68 VOLLSYNTH
--------	-------------------------

SO 671	ISO 100 VOLLSYNTH
--------	--------------------------

Turbine Oils

DIN 51515 TD ISO 6743/5 L-TD

Art. Nr.

SO 674	ISO 32
--------	---------------

SO 675	ISO 46
--------	---------------

SO 675.2	ISO 46 LONGLIFE EP-III
----------	-------------------------------

SO 676	ISO 68
--------	---------------

SO 676.2	ISO 68 LONGLIFE EP-III
----------	-------------------------------

SO 677	ISO 100
--------	----------------

Slideway Oils

DIN 51502 CGLP

Art. Nr.

SO 678	ISO 32 CINCINNATI MILACRON P-53
SO 679	ISO 46
SO 680	ISO 68 CINCINNATI MILACRON P-47
SO 681	ISO 100
SO 682	ISO 150
SO 683	ISO 220 CINCINNATI MILACRON P-50
SO 684	ISO 320

Circulation Oils

DIN 51515 TD ISO 6743/5 L-TD

Art. Nr.

SO 685	ISO 5
SO 686	ISO 10
SO 687	ISO 15
SO 688	ISO 22
SO 689	ISO 32
SO 690	ISO 46
SO 691	ISO 68
SO 692	ISO 100
SO 693	ISO 150
SO 694	ISO 220
SO 695	ISO 320
SO 696	ISO 460

Perforation Oils

Art. Nr.

SO 699.1	Bohrhammeröl	ISO 10
SO 700	Bohrhammeröl	ISO 22
SO 700.1	Bohrhammeröl	ISO 32
SO 700.2	Bohrhammeröl	ISO 46
SO 700.3	Bohrhammeröl	ISO 68
SO 700.4	Bohrhammeröl	ISO 100
SO 700.5	Bohrhammeröl	ISO 150
SO 701	Bohrhammeröl	ISO 22 (Fully synthetic)
SO 701.1	Bohrhammeröl	ISO 46 (Fully synthetic)
SO 701.2	Bohrhammeröl	BIO ISO 10 (Fully synthetic) Ester

Hardening Oils

Art. Nr.

SO 709	Härteöl	2
SO 709.1	Härteöl	3
SO 710	Härteöl	4
SO 711	Härteöl	6
SO 711.1	Härteöl	KHZ

Metalworking Oils

Art. Nr.	
SO 712	Grinding Oil
SO 713	Honing Oil
SO 714	Cutting Oil (not to mix with water) MD-STANDARD
SO 714.1	Cutting Oil (not to mix with water) MD-FE
SO 714.2	Cutting Oil (not to mix with water) HD-FE
SO 714.3	Cutting Oil (not to mix with water) MD-UNI 22
SO 714.4	Cutting Oil (not to mix with water) MD-UNI 10 S
SO 715	Drilling Oil (mix with water)

Compressor Oils for Refrigeration Units

Art. Nr.	
SO 727	Kältekompressorenöl ISO 46
SO 728	Kältekompressorenöl ISO 68 (оригинальная тара)
SO 729	Kältekompressorenöl ISO 100 (оригинальная тара)

Transformer Oils

Art. Nr.	
SO 731	Trasformatoren Öl (original Fass/neutral) Does not brake
SO 732	Trafo X (original Fass/neutral) apply brakes

Heat Transfer Oils (Thermal Oils)

Art. Nr.

SO 735	Wärmeträgeröl	ISO 15
SO 736	Wärmeträgeröl	ISO 32
SO 737	Wärmeträgeröl	ISO 46

Technical White Oils

Art. Nr.

SO 742	Weissöl	TC/L	Technical	ISO 15
SO 744	Weissöl	TC	Technical	ISO 68
SO 746	Weissöl	ME/L	Pharmaceutical	ISO 15
SO 748	Weissöl	ME	Pharmaceutical	ISO 68

Antifreeze (concentrate)

Art. Nr.

SO 752	Frostschutz	48	LongLife	MB 325.0
SO 753.1	Frostschutz	G40	(Farbe Lila)	
SO 754	Frostschutz	P	(Proylenglykol)	

Other Products

Art. Nr.

SO 702	Paraffin-Based Spindle Oil 2.1	
SO 702.1	Paraffin-Based Spindle Oil 2.5	
SO 702.2	Paraffin-Based Spindle Oil 1.2	
SO 702.4	Paraffin-Based Spindle Oil 1.7	
SO 703	Machine Oil 4.5	
SO 704	Machine Oil 6.5	
SO 705	Naphthene-Based Spindle Oil 2.1.	ISO 22
SO 706	Naphthene-Based Spindle Oil	ISO 10

Other Products

Art. Nr.		
SO 720	BIO Concrete Formwork Oil	Biodegradable, free of volatile organic compounds, ready for use.
SO 723	PA Release Lubricants (PA Release Agent)	Bitumen release and protective agent, does not contain volatile organic compounds
SO 739	Machine Milking Oil	
SO 740	Dielectric (Spark Erosion Fluid)	
SO 741	Rapeseed Oil	
SO 755	Dot 4 Brake Fluid	
SO 756	Dot 5 Silicone Brake Fluid	
SO 759	Organic Multipurpose Cleaner	
SO 760	Window Cleaning Concentrate	
SO 762	Fluid LHM+	Special high performance hydraulic fluid for the use in the car comfort and safety control range of the PSA group.
SO 763	Fluid HYDRO CHF 11S	Universal high-performance hydraulic fluid for the use in the car comfort and safety control range of the PSA group.
SO 765	Corrosion Preventing Agent	
SO 766	Fine Parts Cleaner	
SO 767	Universal Dilutant	
SO 787	Anti-seize transmission oil additive for prevention of vibration, slippage and rattling. Especially suitable for wet brakes.	
SO 789	Flow Improving Agen	Flow improver for diesel fuel and EL oil residue
SO 790	Lead Replacement/Valve Protection	Volume 250 мл Non-leaded gasoline additive
SO 792	Motor-Clean Gasoline 43	Additive with high washing capacity for gasoline engines
SO 793	Motor-Clean Diesel 49	Additive with high washing capacity for diesel engines

Lubricants

Art. Nr.

SO 807	SO 807 Lithium Complex Lubricant EP NLGI 2 KP 2 N-20
	<p>The combination of complex lithium soap and highly effective additives ensures excellent mechanical and thermal stability, as well as excellent water resistance.</p> <p>Multipurpose high-pressure lubricant for widespread use in the vehicles, construction equipment and industrial enterprises. Suitable for lubrication of sliding and rolling bearings, wheel bearings, clutch bearings, bearings in electric motors, cardan joints, track carriers, chassis. It is especially recommended for high mechanical and thermal loads, as well as for working in a humid environment and for lubrication points to be sprayed with water. Also suitable for lubricating TELMA eddy-current brake bearings.</p> <p>Meets the requirements of MAN 284 Li-H 2 and MB 265.1 Operating temperature range: -25 °C to + 150 °C (peak: 180 °C) Colour: yellow brown.</p>
SO 807.1	Lithium Complex Lubricant EP ROT NLGI 2 (ISO 320) KP 2 N-20
	<p>Special multi-purpose high-pressure lubricant for high mechanical and thermal loads. For the lubrication of plain bearings, rollers, wheels and clutches, universal joints, water pumps, track rollers, chassis, etc.</p> <p>Operating temperature range: -25 °C to + 150 °C (peak: 180 °C)</p>
SO 807.2	Lithium Complex Lubricant + Teflon NLGI 2 KP 2 N-20
	<p>Special high-pressure Teflon multi-purpose lubricant with very good water resistance and exceptional pressure absorption capability.</p> <p>For the safe lubrication of high-loaded cantilever and ball joints, slewing rings and roller bearings, bolts, chain wheels, axles, etc., in the construction and industrial machines.</p> <p>Operating temperature range: -25 °C to + 150 °C (peak: 200 °C)</p>
SO 808.1	Lithium Complex Lubricant EP NLGI 3 (ISO 100) KP 3 N-20
	<p>Multi-purpose high-pressure lubricant based on mineral oil for the use at high mechanical loads and high speeds.</p> <p>For the lubrication of plain and roller bearings in the industry and vehicles, even in places of lubrication. Particularly suitable for high temperatures and high loads with fast speeds.</p> <p>Operating temperature range: -25 °C to + 150 °C Colour: brown.</p>
SO 810	Molyfett-GR EP c 2% MoS₂ + 3% graphite KPF 2 K-20
	<p>High pressure lithium grease, with molybdenum sulfide (MoS₂) and graphite, for the use in particularly difficult conditions such as impact and pressure loads.</p> <p>For the lubrication of sliding and roller bearings, couplings of saddle wheels, hinged joints, spherical roller bearings, running gear, track rollers, etc.</p> <p>Not recommended for high-speed rolling bearings.</p> <p>Operating temperature range: -25 °C to + 120 °C</p>
SO 813	High-Temperature Lubricant (Bentonite Lubricant) NLGI 2 K 2 R-10
	<p>Oil-free hot lubricant for bearings without a dropping point for lubrication of plain and rolling bearings at high temperatures.</p> <p>Operating temperature range: -25 °C to + 180 °C (peak: 220 °C) Do not mix with soap lubricants.</p>

Lubricants

Art. Nr.

SO 821	White Zinc and Titanium Lubricant	NLGI 2 KPF 2 G-20
	Calcium soap lubricant with zinc and titanium additives and VI improvers, which provide very good adhesion and exceptional water resistance. Operating temperature range: -20 °C to + 110 °C	
SO 823	Calcium Lubricant	NLGI 2 K 2 G-20
	Exceptionally water resistant calcium lubricant for general lubrication under medium loads and slow movements. Temperature range: -20 °C to + 100 °C	
SO 826	Lubricant GRC NLGI 2	KF 2 G-20
	Calcium soap lubricant with graphite additives: extremely waterproof, with pronounced antiwelding properties. Suitable for open mechanisms, frameworks, elevator rails, hinged joints, rails, chassis, street vehicles, cold water fittings, etc. Operating temperature range: -20 °C to + 100 °C	
SO 828	Cable Lubricant	NLGI 0000
	Special liquid lubricant for re-lubricating ropes on lift devices and funiculars. (Do not use with plastic or rubber)	
SO 829	Separation Compound (Lubricant)	
	Special lubricant of complex aluminium soap and special selected base oils. This compound contains a large amount of metal powder and solid lubricants, and thus ensures safe separation between the insertion tools and the guide bushings of the hydraulic and compressed air circuit breakers even at very high temperatures. For the safe separation of parting tool or cast iron and the guide bushing of hydraulic and pneumatic hammers. NLGI-2 toothed compound is a special lubricant for separating the insertion tools (chisels or point iron) and guide bushings of hydraulic and compressed air circuit breakers. This compound protects against corrosion and jamming of fasteners, such as screws, bolts, studs, which are exposed to heat. Do not use in rolling and plain bearings. Operating temperature range: -20 °C to + 110 °C Colour: gray copper.	
SO 830	Special Permanent Lubricant	EP NLGI 2 (yellow) KP 2 K-30
	Special lubricant for long-term lubrication in vehicles, industry, construction, forestry and agricultural equipment. Exceptional adhesion, excellent oxidation resistance and extreme antiwelding properties, excellent water resistance. Especially suitable for wet lubrication points to be sprayed with water or exposed to weather. Operating temperature range: -30 °C to + 120 °C	

Lubricants

Art. Nr.

SO 831	Aluminium Complex Lubricant	EP NLGI 2	KP 2 N-20
<p>Multi-purpose lubricant is especially recommended for complex thermal and mechanical loads and in the places where high adhesion and/or very good water resistance are required.</p> <p>For sliding and rolling bearings in machines, electric motors, drying and conditioning systems, etc.</p> <p>For sliding and rolling bearings in machines, electric motors, drying and conditioning systems, etc.</p> <p>Operating temperature range: -25 °C to + 150 °C (peak: 170 °C)</p>			
SO 834	BIO Lubricant	NLGI 2	K 2 N-30
<p>Biodegradable lubricant made of vegetable lubricants and lithium soap. Optimum protection against rust and corrosion, very good adhesion even in the presence of water.</p> <p>In case of loss of lubrication of the wheels, guides, roller bearings, bolts, bushings, etc.</p> <p>Exceptional use in construction and agriculture, as well as in case of a risk of leakage into the soil and water.</p> <p>Operating temperature range: -30 °C to + 70 °C</p> <p>Biodegradability:> 60% in accordance with OECD 301 B</p>			
SO 845	Copper Compound 1012		
<p>Special lubricating compound with inorganic thickener and micronized copper metal powder.</p> <p>For the lubrication of rollers, screws, bolts, seals, brake expanders and other parts that work under particularly difficult conditions at very high operating temperatures (> 1100 °C).</p> <p>Especially for the use in the steel industry, drying systems, glass processing machines, furnaces, etc.</p> <p>Not to use in rolling and plain bearings.</p> <p>Operating temperature range: -20 °C to + 110 °C</p>			