DANZOL®

FLUENT MOBILITY



MINING

LUBRICANTS FOR THE MINING INDUSTRY

UNEARTH DEEPER DEPENDABILITY

Your mining business relies on premium lubricants to help reduce downtime and prevent unscheduled maintenance. Rely on Danzol to help keep profitability piling high—with our extensive lubricants portfolio and vast reserves of industry expertise to help you cut costs, drive production and build a more reliable mining operation.

Rely on Danzol to help you reach the potential to:

- Maximize Engine and Equipment Durability
- Extend Service Protection
- Improve Supplier Performance
- Improve Fuel Efficiency



MINING INDUSTRY

REACH A NEW LEVEL OF RELIABILITY WITH THE UOA PROGRAM

Reliability matters at every step of the value chain. Danzol specialists can help add even more value to your lubrication program by providing expertise along with world-class products and targeted services—all working in sync to help you get the most out of your equipment and operations, time and time again.

To learn more, contact



ENGINE OILS



PRODUCTS & SPECIFICATIONS	GRADES
SYNTUS 12000 API CK4/SN API CK4-SN ,ACEA E6/E7/E9/E-11, CUMMINS CES 20086 VOLVO VDS-4.5, MB 228.31/228.51/229.1, DDC 93K218, , MACK EO-S 4.5, RENAULT RLD-4, CAT ECF-3, MAN 3575, MTU Type 2.1, Deutz DQC IV-10LA , JASO DH-2, FORD M2C171 F1, CAT ECF-2,	10W-30, 10W-40, 15W-40, 15W-50
SYNTUS 11500 API CJ4/SN ACEA E7/E9, CUMMINS CES 20081, ALLISON TES-439,VOLVO VDS-4 / VDS-3, CAT ECF-3, MACK EO-O PREMIUM PLUS MB 228.31, MAN M3575, RENAULT RLD-2, , MTU Type 2.1, DDC 93K218	10W-30, 10W-40, 15W-40, 15W-50
LORYPLUS 11000 API CI4 PLUS/SL DEUTZ DQC IV-10LA API CI4/SL,ACEA E5/E7,/E8, MB 228.3, CAT ECF-1a ECF-2, ALLISON C-4, MAN 3275,CUMMINS CES 20078, VOLVO VDS-3, RENAULT RLD-2, JASO DH (10 TBN)	10W-30, 10W-40, 15W-40, 15W-50, 20W-50
LORYPLUS 10000 API CI4/SL CUMMINS CES 20078, VOLVO VDS-3, RENAULT RLD-2, JASO DH (10 TBN)	10W-30, 10W-40, 15W-40, 15W-50, 20W-50
LORYMAX 7000 API CH4/SJ API CH4/SJ,ACEA E5/E7,, MB 228.3, CAT ECF-1a , ALLISON C-3, MAN 3275, MB 228.3 MACK E-ON, CUMMINS CES 20076, VOLVO VDS-3, RENAULT RLD, JASO DH (10 TBN)	15W-40, 20W-50
OPTIMUS 6500 API CF4 /SJ API CF-4, ACAE E2, MIL-L-2104E, MAN 271, MB 228.1, CAT TO2, ALISON C3)	15W-40, 20W-50
OPTIMUS 6000 API CF4 /SG API CF-4/SG ACEA E2, MIL-L-2104E, MAN 271, MB 228.1, CAT TO-2,	10W, SAE 30, SAE 40, SAE 50, 20W-50, 20W-60

TRANSMISSION FLUIDS



PRODUCTS & SPECIFICATIONS	GRADES
DEXRUS AUTOMATIC TRANSMISSION OIL GM/SATURN DEX-CVT, MB CVT28,236.20, FORD CVT23/30 , BMW 8322 0 136 376, AUDI/VW TL 52180, NISSAN NS-1/2/3, TOYOTA TC, FE, LEXUS FE, DODGE NS-2 API GL-4, ALLISON C4, CAT TO-4, Komatsu KES 07.868.1	DEX T VI, DEX III H, DEX IID, TYPE A, CVT
TRANSHD TO-4 API GL-4, Eaton Vickers 35VQ25, Ford M2C134-D, Allison C-3/C-4, CAT TO-2 ,	SAE 10W, SAE 30, SAE 40 SAE 50, SAE 60
CULTIVA TORQ SYN UTTO DENISON HF-0, HF-1,HF-2, KUBOTA (UDT-FLUID) ZF-TE-ML 06A, 06B, 06C, 07B, FORD M2C159B, C, 82009201, 2, 3	5W-30,10W-30
CULTIVA TORQ SYN STOU MASSEY FERGUSON M1145, M1139, M1144, JOHN DEERE J27	15W-40

HYDRAULIC OILS

PRODUCTS & SPECIFICATIONS	GRADES
HYDEX HLP AFNOR NFE 48-603 HM, DIN 51524/P2, USS 127, 136 Denison HF-2, HF-0, CMP-68, P-69, P-70, ISO 6743/4 AFNOR HL, DIN 51524/P3, Denison HF-0, CM P-68, P-69, P-70, Vickers I-286-S,	32, 46, 68, 100, 150, 220, 320, 460
HYDEX HVI ISO 6743/4HM DIN 51524/2	15, 22, 32, 46, 68, 100
HYDEX ISO 6743/4HH	32, 46, 68, 100, 150

INDUSTRIAL GEAR LUBRICANTS

PRODUCTS & SPECIFICATIONS	GRADES
GARUX IGO EP DIN 51517 PART3, CLP U.S STEEL 224, AGMA 9005-D94, DAVID BROWN S1, 53101	68, 100, 150, 220, 320, 460
SYNPA IGO DIN 51517 PART 3, ISO 6743-6 CAT, CKD/CKT, U.S STEEL 224, DAVID BROWN H TYPE, SYNTHETIC BASED	46, 68, 100, 150, 220, 320, 460



HEAVY DUTY AUTOMOTIVE GEAR LUBRICANTS



PRODUCTS & SPECIFICATIONS	GRADES
GARUX SYNTHETIC API GL-5 AP GL-5, ZF-TE-ML 05A, TA 12E. 16B, 16C, 16D, 17B, 19B, 21A, MAN 342	75W-80, 75W-90
GARUX SYNTHETIC API GL-4 API GL-4, MAN 342, MB 235	75W-80, 75W-90
GARUX API GL-5 API GL-5 MIL-L-2105, MAN 341, MB 235.1	SAE 90, SAE 140, 80W-90, 85W-90 85W-140, 80W-140
GARUX API GL-4 API GL-4, MB 235.0, MIL-L-2105,	SAE 90, SAE 140, 80W-90, 85W-140, 80W-140
GARUX API GL-1 API GL-1	SAE 90, SAE 140

COOLANTS



PRODUCTS & SPECIFICATIONS	CONCENTRATION
DANCOOL ANTI FREEZE COOLANTS ORGANIC ACID TECHNOLOGY (OAT) BASED COOLANT 500,000 KMS RANGE MEETSSPECIFICATIONS OF MB SHEET 325.3, FORD WSS-M97B44D, PORSCHE GM MAN 324TYP SNF, VOLVO, DETROIT DIESEL, VW/AUDI TL 774D, MTU MTL 5048, DAF74002,KOMATSU 07.892, DUETZ, HYUNDAI, KIA, WARTSILLA DLP 799861, LIEBHERR MD-136-130	30%, 50%, 100%, 50% ELC, G12+,G13
DANCOOL EXTREME LONG LIFE BS 6580, ASTM D 3306, D 4656, D 4985, AFNOR NFR 15-601 DAIMLERCHRYSLER MB 325.3, GM 6277M, FORD, AUDI, BMW, PORSCHE,SAAB, VW, SCANIA, MAN 324, DEUTZ/MWM ORGANIC TECHNOLOGY: FREE FROM NITRITES, BORATES, AMINES AND 2-ETHYLHEXANOIC ACID (2-EHA)	50%, 100%



GREASE

PRODUCTS	TYPE	APPLICATION	SPECIFIC ADVANTAGES	THICKNER	NLGI GRADE
DANZOL GENEX GP	General Purpose Grease	General normal load and normal temperature	Economical general-purpose grease for use at ambient temperature or max 90 °C. Water resistance and corrosion protection.	Calcium Anhydrous	2 3
DANZOL MAXIM MP	General Purpose Grease	Multipurpose grease for automotive and industrial applications	Provide good protection against wear, rust and water wash out. Fit for most normal applications	Lithium Based	2 3
DANZOL MAXIM EP	Multi-purpose/ extreme pressure	Bearing grease	Multi-purpose/extreme pressure automotive/ industrial bearing grease. A grease of choice for all standard but demanding applications.	Lithium Based	00 0 1 2 3
DANZOL DANPLEX HT EP	Multi-purpose/ extreme pressure/ high temperature	Bearings, wheel bearings, high temperature and extreme pressure applications	High temperatures, extreme pressures and contaminated environment (water, dust)	Lithium Complex	00 0 1 2 3
DANZOL DOMINUS HT EP	True Multi-purpose/ extreme pressure/ high temperature/ heavy load	Bearings, wheel bearings, steel mills, paper industry, rolling mills, high shock loads,	Most severe demanding applications in Industry, Mining & Marine, outstanding resistance to water, wear/load and mechanical stability, exceptional performance, quality and reliability. First choice for heavily loaded automotive wheel bearings.	Sulfonate Complex	1 2 1 2
DANZOL MOLY DANPLEX HT EP 220	Multi-purpose/ extreme pressure/ high temperature Grease with Solid Lubricants	Bearings, wheel bearings, very high temperature and extreme pressure applications	Meets requirements of Caterpillar 3% Mos2, for heavy duty, slow moving bearings subject to shock loads in mining and steel industry	Lithium Complex with 3% Mos2	2
DANZOL MOLY MAXIM HT EP 220	Multi-purpose/ extreme pressure/ Grease with Solid Lubricants	Bearings, wheel bearings, high temperature and extreme pressure applications	2% Mos2, for heavy duty, slow moving bearings subject to shock loads in mining and steel industry	Lithium Grease with 2% Mos2	2
DANZOL TJC (Tool Joint Compound) Z50SC	Drill Collar & Tool Joint Compound.	Drill Collar & Tool Joint in oilfield drilling industry	Contains prime grade zinc and formulated with 50% metallic zinc, meeting the metallic zinc requirements described in API Bulletin 5A2. Z-50	Complex	2
DANZOL OHC (Overhead Conductor)	Overhead Line Conductor Grease	Cold-applied grease designed specifically for the protection and preservation of overhead line conductors.	Technology to extend the life and efficiency of overhead line conductors by providing optimum anti-corrosion protection and absolute minimal oil separation.	Complex	2
DANZOL CLAYTON 220 NM	Heavy Duty, extreme pressure (EP), clay thickened grease	Bearings operating at very high temperatures where conventional soap based greases typically fail to provide satisfactory lubrication.	Non-melting bentonite thickener keeps consistency at high temperature, Excellent protection against rust and corrosion and storage stability.	Bentonite	2



BO ISO VG	PENETRATION	DROPPING POINT	TEMPERATURE OF USE	FOUR BALL EP WELD LOAD KG	PERFORMANCE
100	280	155 °C	-20 °C to +90 °C	160	DIN 51825:2004-06 - K 2 G -20, ISO 6743-9 L-X BBEA-2
100	240	155 °C	-20 °C to +90 °C	160	DIN 51825:2004-06 - K 3 G -20, ISO 6743-9 L-X BBEA-3
150	280	180 °C	-20 °C to +120 °C	200	DIN 51825:2004-06 - K 2 K -20, ISO 6743-9 L-X BCEA-2
150	240				DIN 51825:2004-06 - K 3 K -20, ISO 6743-9 L-X BCEA-3
100	415	175 °C	-20 °C to +120 °C		DIN 51825:2004-06 - KP 00 K -20, ISO 6743-9 L-X BCEB-00
100	365	175 °C	-20 °C to +120 °C	250	DIN 51825:2004-06 - KP 0 K -20, ISO 6743-9 L-X BCEB-0
220	330	185 °C	-20 °C to +130 °C		DIN 51825:2004-06 - KP 1 K -20, ISO 6743-9 L-X BCEB-1
220	280	185 °C	-20 °C to +130 °C		DIN 51825:2004-06 - KP 2 K -20, ISO 6743-9 L-X BCEB-2
220	240	185 °C	-20 °C to +130 °C		DIN 51825:2004-06 - KP 3 K -20, ISO 6743-9 L-X BCEB-3
100	415	>230 °C	-30 °C to +140 °C	315	DIN 51825:2004-06 - KP 00 N -30, ISO 6743-9 L-X CDEB-00
100	365	>230 °C	-30 °C to +140 °C		DIN 51825:2004-06 - KP 0 N -30, ISO 6743-9 L-X CDEB-0
220	330	>260 °C	-30 °C to +150 °C		DIN 51825:2004-06 - KP 1 N -30, ISO 6743-9 L-X CDEB-1
220	280	>260 °C	-30 °C to +150 °C		DIN 51825:2004-06 - KP 2 N -30, ISO 6743-9 L-X CDEB-2
220	240	>260 °C	-30 °C to +150 °C		DIN 51825:2004-06 - KP 3 N -30, ISO 6743-9 L-X CDEB-3
220	325	>300 °C	-30 °C to +180 °C	>500	DIN 51825:2004-06 - KP 1 R -30, ISO 6743-9 L-X CFHB-1
220	280				DIN 51825:2004-06 - KP 2 R -30, ISO 6743-9 L-X CFHB-2
460	325	>300 °C	-30 °C to +180 °C	>800	DIN 51825:2004-06 - KP 1 R -30, ISO 6743-9 L-X CFHB-1
460	280				DIN 51825:2004-06 - KP 2 R -30, ISO 6743-9 L-X CFHB-2
460	280	>260 °C	-30 °C to +150 °C	400	DIN 51825:2004-06 - KPF 2 N -30, ISO 6743-9 L-X CDEB-2
220	280	200 °C	-20 °C to +130 °C	315	DIN 51825:2004-06 - KPF 2 M -20, ISO 6743-9 L-X BCEB-2
220	285	>300 °C	-30 °C to +180 °C	>800	API Bulletin 5A2, API RP 5A3
NA	285	>300 °C	-50* °C to +180 °C	NA	BS EN 50326:2002, IEC 61394:201
220	280	NON DROP	-20 °C to >160 °C (Base oil Dependant)	200	



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