
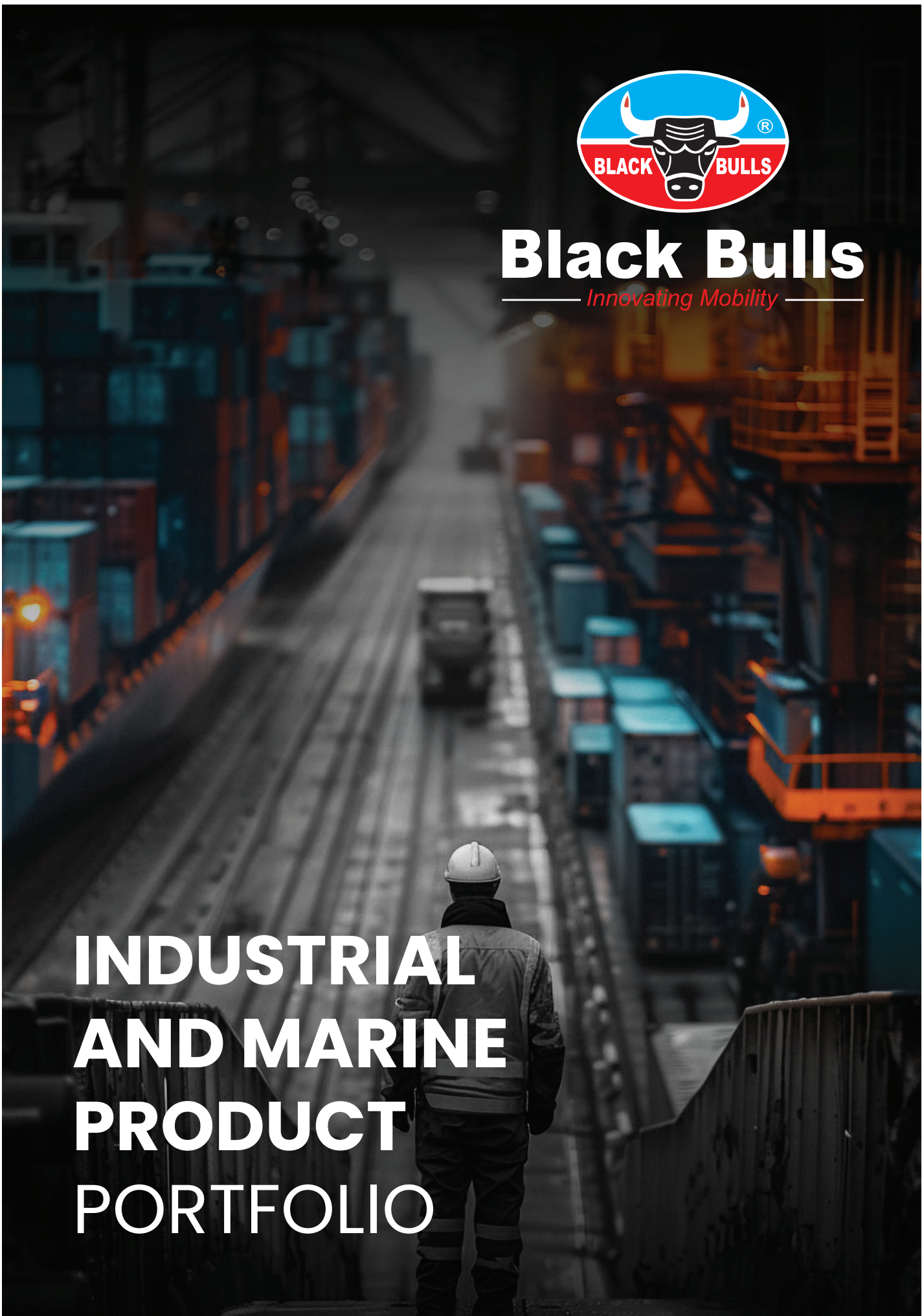



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Black Bulls
Innovating Mobility

**INDUSTRIAL
AND MARINE
PRODUCT
PORTFOLIO**



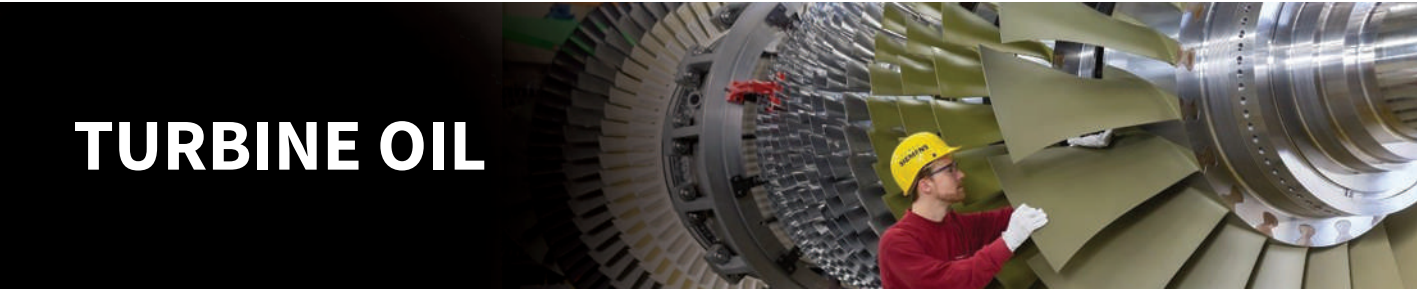
HYDRAULIC OIL

Product Name	Viscosity Grade	Specifications
HYDROX HLP	32, 46, 68, 100, 150, 220, 320, 460	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,
HYDROX HVI	15, 22, 32, 46, 68, 100	ISO 6743/4HM DIN 51524/2
HYDROX H	32, 46, 68, 100, 150	ISO 6743/4HH



INDUSTRIAL GEAR OILS

Product Name	Viscosity Grade	Specifications
GEAROX IGO EP	68, 100, 150, 220, 320, 460	DIN 51517 PART3, CLP U.S STEEL 224, AGMA 9005-D94, DAVID BROWN S1, 53101
SYPA IGO	68, 100, 150, 220, 320, 460	DIN 51517 PART 3, ISO 6743-6 CAT, CKD/CKT, U.S STEEL 224, DAVID BROWN H TYPE, SYNTHETIC BASED



TURBINE OIL

Product Name	Viscosity Grade	Specifications
TURBINE OIL	32, 46, 68, 100	DIN 51515/1, ISO 6743/5



COMPRESSOR OIL

Product Name	Viscosity Grade	Specifications
COMPRESSOR OIL GP	32, 46, 68, 100	FOR RECIPROCATING AND VANE COMPRESSORS



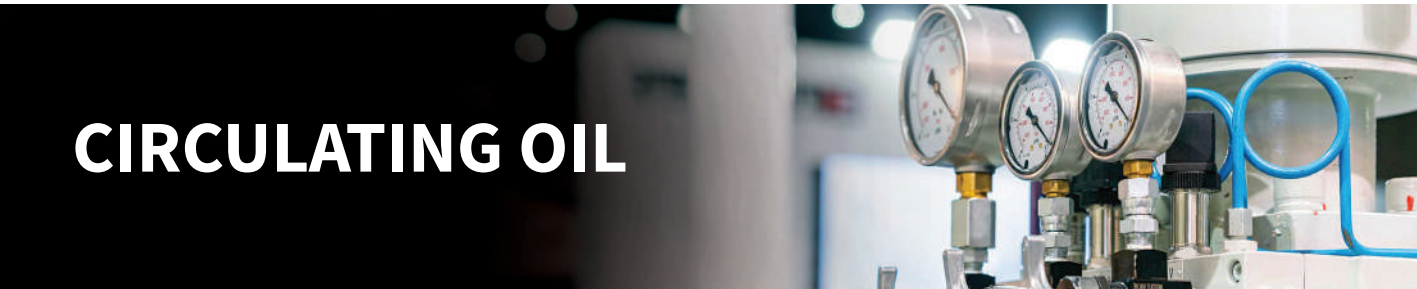
TRANSFORMER OIL

Product Name	Viscosity Grade	Specifications
TRANSFORMER OIL	CLASS I, CLASS II	BS 148, IEC 60296 INHIBITED OR UN-INHIBITED



SPINDLE OIL

Product Name	Viscosity Grade	Specifications
SPINDLE OIL	10, 15, 22	CINCINNATI MILACRON P-45 (ISO 22) P-62 (ISO 10)



CIRCULATING OIL

Product Name	Viscosity Grade	Specifications
CIRCULATING OIL C-ZF	100, 150, 220, 320	RUST & OXIDATION INHIBITED CIRCULATING OILS DIN 51515/1



HEAT TRANSFER OIL

Product Name	Viscosity Grade	Specifications
HEAT TRANSFER OIL	32, 46	DIN 502.51, ISO 12-6743 TYPE QB



ROCK DRILL OIL

Product Name	Viscosity Grade	Specifications
ROCK DRILL OIL GEAROX RDO	100, 150, 220, 320	1S06743/11 CLASS P



RAIL ROAD ENGINE OIL

Product Name	Viscosity Grade	Specifications
RAIL ROAD OILS	RZF 4013 SAE 40, RZF 4017 SAE 40	API CD, EMD/GE LMOA Gen. 4 & 5, 13, 17 TBN, CAT 3600



MOULD RELEASE OIL

Product Name	Viscosity Grade	Specifications
MOULD RELEASE OIL	100, 150, 220, 320	FOR DEMOULDING OPERATIONS.



LOW ASH GAS ENGINE OIL

Product Name	Viscosity Grade	Specifications
LOW ASH GAS ENGINE OIL	30, 40	CAT 3600, CAT 3500 series engine, Waukesha 7044/7042



METAL WORKING FLUIDS

Product Name	Viscosity Grade	Specifications
CUTTING OIL	SOLUBLE OIL, NEAT CUTTING OIL	FOR METAL WORKING OPERATIONS.



SLIDEWAY OIL

Product Name	Viscosity Grade	Specifications
SLIDEWAY OIL	32, 46, 68, 100, 150, 220	ISO 6743/4 HM (HYDRAULIC), ISO 6743/6 CKE (GEAR)

GREASE



PRODUCTS	TYPE	APPLICATION	SPECIFIC ADVANTAGES	THICKNER	NLGI GRADE	BO ISO VG	PENETRATION	DROPPING POINT	TEMPERATURE OF USE	FOUR BALL EP WELD LOAD KG	PERFORMANCE
BB BEMAX 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 (CA)	2	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
					3	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
BB BEMAX MP	Multi-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	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
					3	150	240				DIN 51825:2004-06 - K 3 K -20, ISO 6743-9 L-X BCEA-3
BB BEMAX 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	100	415	175 °C	-20 °C to +120 °C	250	DIN 51825:2004-06 - KP 00 K -20, ISO 6743-9 L-X BCEB-00
					0	100	365	175 °C	-20 °C to +120 °C		DIN 51825:2004-06 - KP 0 K -20, ISO 6743-9 L-X BCEB-0
					1	220	330	185 °C	-20 °C to +130 °C		DIN 51825:2004-06 - KP 1 K -20, ISO 6743-9 L-X BCEB-1
					2	220	280	185 °C	-20 °C to +130 °C		DIN 51825:2004-06 - KP 2 K -20, ISO 6743-9 L-X BCEB-2
					3	220	240	185 °C	-20 °C to +130 °C		DIN 51825:2004-06 - KP 3 K -20, ISO 6743-9 L-X BCEB-3
BB LITHPLEX 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	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
					0	100	365	>230 °C	-30 °C to +140 °C		DIN 51825:2004-06 - KP 0 N -30, ISO 6743-9 L-X CDEB-0
					1	220	330	>260 °C	-30 °C to +150 °C		DIN 51825:2004-06 - KP 1 N -30, ISO 6743-9 L-X CDEB-1
					2	220	280	>260 °C	-30 °C to +150 °C		DIN 51825:2004-06 - KP 2 N -30, ISO 6743-9 L-X CDEB-2
					3	220	240	>260 °C	-30 °C to +150 °C		DIN 51825:2004-06 - KP 3 N -30, ISO 6743-9 L-X CDEB-3
BB MAKURA HT HL 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	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
					2	220	280				DIN 51825:2004-06 - KP 2 R -30, ISO 6743-9 L-X CFHB-2
					1	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
					2	460	280				DIN 51825:2004-06 - KP 2 R -30, ISO 6743-9 L-X CFHB-2
BB MOLYPLEX 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	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
BB MOLY BEMAX 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	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
BB 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	220	285	>300 °C	-30 °C to +180 °C	>800	API Bulletin 5A2, API RP 5A3
BB 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	NA	285	>300 °C	-50* °C to +180 °C	NA	BS EN 50326:2002, IEC 61394:201
BB BENTO 2 20 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	220	280	NON DROP	-20 °C to >160 °C (Base oil Dependant)	200	

MARINE OILS

TRUNK PISTON
ENGINE OILS
FOUR STROKE




Product Name	SAE	TBN	Application	
MARINE MP	30,40	10	LOW SULFUR DISTILLATE FUELS	SUITABLE FOR USE IN TRUNK PISTON ENGINES OF WARTSILA (APPROVED), MAN(B&W), NIGATA, CAT, YANMAR, MAK, SULZER
MARINE MP	30,40	12	LOW SULFUR DISTILLATE FUELS	
MARINE MP	30,40	15	LOW SULFUR DISTILLATE FUELS	
MARINE MH	30,40	20	RESIDUAL FUEL OIL (RFO) SULFER UP TO 2.0%	
MARINE MH	30,40	25	RESIDUAL FUEL OIL (RFO) SULFER UP TO 2.5%	
MARINE MH	30,40	30	RESIDUAL FUEL OIL (RFO) SULFER UP TO 3.0%	
MARINE MH	30,40	40	RESIDUAL FUEL OIL (RFO) SULFER UP TO 3.5%	
MARINE MH	30,40	50	RESIDUAL FUEL OIL (RFO) SULFER UP TO 4.0%	
MARINE MH	30,40	55	RESIDUAL FUEL OIL (RFO) SULFER UP TO 4.5%	

CYLINDER OIL
TWO STROKE:
CYLINDER OILS



Product Name	SAE	TBN	Application	
MARINE MC	50	25	LESS THAN 0.5% SULFUR IN FUEL	SUITABLE FOR USE IN TWO STROKE ENGINES OF WARTSILA, MAN(B&W), MITSUBISHI
MARINE MC	50	40	FUEL SULFUR 0.5%	
MARINE MC	50	50	HIGH AND LOW SULFUR FUEL	
MARINE MC	50	70	HIGH SULFUR RESIDUAL FUEL	

CYLINDER OIL
TWO STROKE:
SYSTEM OIL



Product Name	SAE	TBN	Application	
MARINE SYS	30	6	CROSSHEAD CYLINDER OIL FOR COOLING AND LUBRICATING TWO STROKE ENGINES.	SUITABLE FOR USE IN WARTSILA, MAN(B&W) AND MITSUBISHI TWO STROKE ENGINE USING HIGH SULFUR RESIDUAL FUELS

Black Bulls

Grease and Lubricants Manufacturing LLC.

Black Bulls Grease & Lubricants Manufacturing LLC is one of the leading lubricant manufacturing companies in Dubai, UAE. With latest innovative research & development facility , world class production machinery and ISO certified processes, the company manufacture more than 800 SKUs under one roof. A production capacity of 62,000 MT per annum and after sales service support in place, makes Black Bulls an established and trusted brand among its customers.

Black Bulls Industrial product range is distributed to more than 55 countries through its distribution network and channel partners.