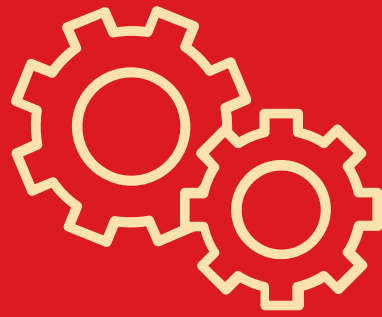


S E M P E R M A X



**PRODUCT
CATALOGUE**



GREASE & SPRAYS

SEMPERMAX 146 HTHL-M

GREASE FOR EXTREME CONDITIONS

Calcium sulfonate complex grease is manufactured from highly refined mineral oils with thickener, additives and rust&corrosion inhibitors

HIGHT TEMP HEAVY LOAD & MARINE

Product Description

- Excellent water resistance, corrosion and oxidation stability
- Wide operating temperature range
- Long operational life at high temperature
- Royal blue color for easier distinguished appearance
- Operating temperature: -20C / +230C



ITEM	TEST METHOD	
NLGI Grade	2#	----
Worked cone penetration, 0.1mm	220~250	ASTM D217
Dropping Point, °C Min	330	ASTM D566
Oil separation, 100°C, 24h % Loss	0.7	ASTM D6184
Cooper Corrosion, (100°C, 24h)	no change	ASTM D4048
Evaporation, (99°C, 24h) % ≤	0.5	ASTM D972
Water Washout @38°C, 1h, % loss ≤	0.5	ASTM D1264
Roll stability, (28°C , 2h) % Change No adding water Adding water	2 -3	ASTM D1831
Four-ball test, PB N PD N	800	ASTM D2596
Base Oil Viscosity, cSt. @40°C	410~550	ASTM D445

Application

- Heavy load machines
- Bearings and shafts in contact with water
- Bearings and shafts under high temperature and pressure
- Suitable for any marine application

WASHABLE KNITTING OIL

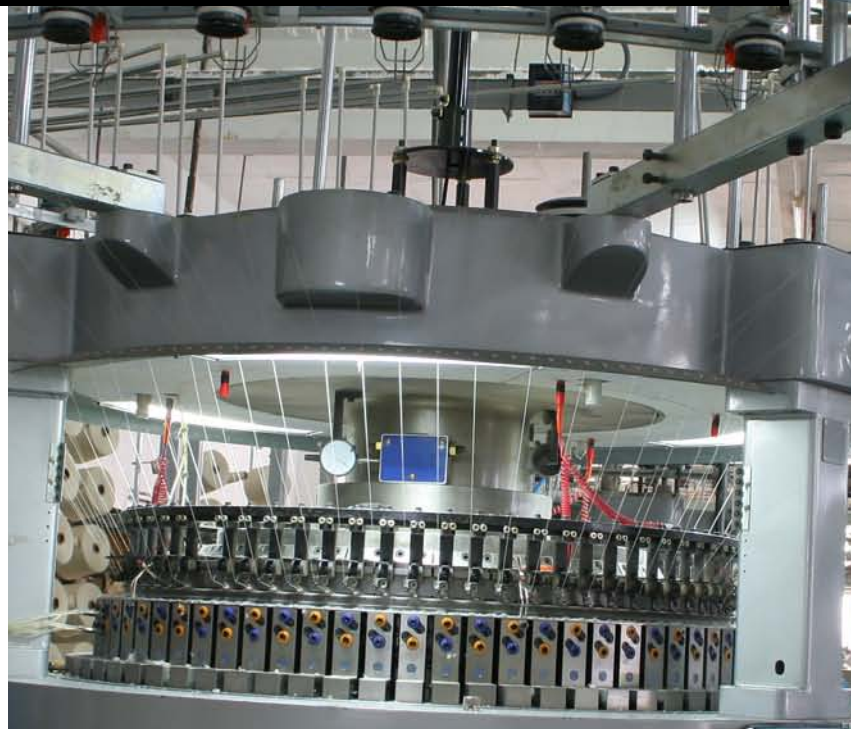
SEMPERMAX KP 220

KNITTING OIL EXTRA

SEMPERMAX KP 220 - EXTRA is a high performance lubricant based on especially refined colourless lubricant for needles and sinkers on great diameter circular knitting machines.

Product Description

- Outstanding anti-wear properties
- Extraordinary performance in high speed machines
- Excellent consistent with plastics and paintings
- Lowers the friction of yarns on high speed machinery
- Reduces fly and dust on two-for-one twisters
- Provides synthetic yarns and their blends with great anti-static properties
- Excellent emulsifier system for cotton/polyester & rayon/polyester blends



GRADE

Appearance	Visual	Clear , Colourless
Base Oil		Mineral
Colour (%)		max 1.0
Viscosity @ 40 °C, mm ² /s	ASTM D 445	18.5
Viscosity @ 100 °C, mm ² /s	ASTM D 445	4.1
Viscosity Index , mm ² /s	ASTM 2270	min 125
Operating Temperature (°C)		-10 °C - 180°C
Pour Point (°C)	ASTM D 97	-18 °C
Flash Point (°C)	ASTM D 92	210 °C

**FOR REDUCED
OPERATION COSTS...**

SEMPERMAX 701

SUPREME CHAIN OIL

SEMPERMAX 701 Supreme: Synthetic Blended Oil For Conveyor Chains

Product Description

- Sempermax 701 Supreme offers particularly high thermal stability
- Good evaporation behaviour
- The development and the continue research permit the introduction into the formula of the new type of additives specially for the auto cleaning action.
- Removes all type of residual from the chain coming from the previous oil.
- Reduced re-lubrication quantity for long-term lubrication

Technical data:

Base Oil	:	Blended synthetic base
Viscosity ISO VG	:	100 to 460
Color	:	Yellow dark transparent
Viscosity Index	:	140
AGMA	:	5EP
Viscosity ASTM D445, D2161	:	
Flash point ASTM D 92	:	>260
Pour Point ASTM D 97	:	-30°C
Volatility ASTM D 972 in % di peso perso	:	27/60
22 hr a 60°C	:	0
22 hr a 149°C	:	0,13
22 hr a 204°C	:	3,8
Water resistance	:	OK



SEMPERMAX 101

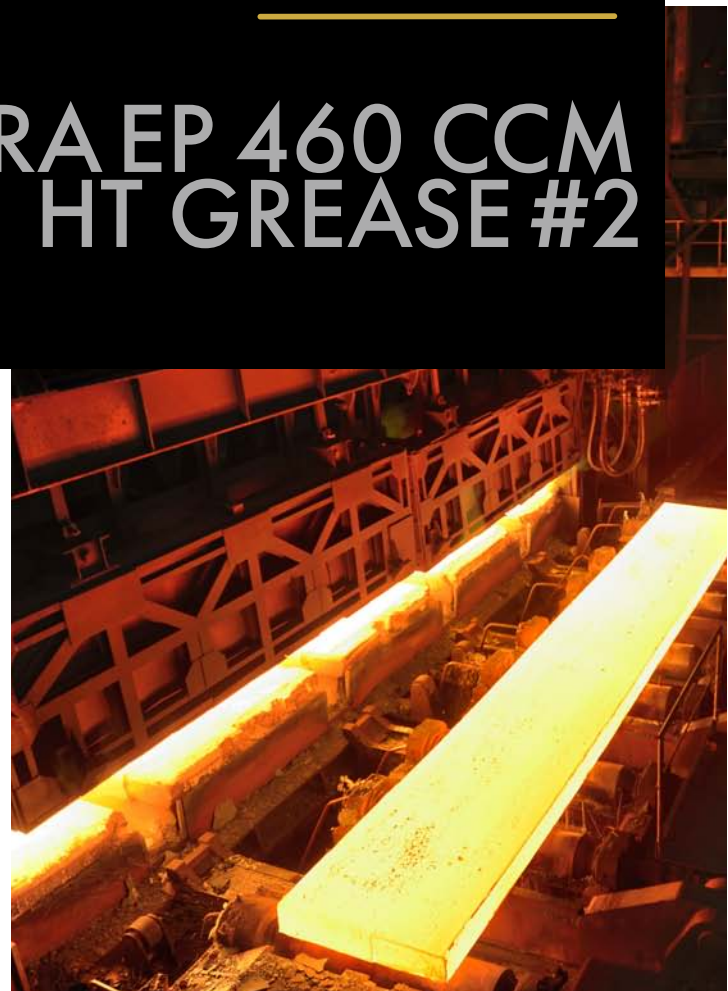
GREASE FOR EXTREME CONDITIONS

ULTRA EP 460 CCM HT GREASE #2

Calcium sulfonate complex grease is manufactured from highly refined mineral oils with thickener, additives and rust&corrosion inhibitors

Product Description

- Excellent water resistance, corrosion and oxidation stability
- Wide operating temperature range
- Long operational life at high temperature
- Royal blue color for easier distinguished appearance
- Operating temperature: -20C / +230C



ITEM	TYPICAL RESULTS			TEST METHOD
	1#	2#	3#	
NLGI Grade	1#	2#	3#	----
Worked cone penetration, 0.1mm	310-340	265-295	220-250	ASTM D217
Dropping Point, °C Min	330	330	330	ASTM D566
Oil separation, 100°C, 24h % Loss	0.7	0.7	0.7	ASTM D6184
Cooper Corrosion, (100°C, 24h)	No green or black change			ASTM D4048
Evaporation, (99°C, 24h) % ≤	0.8	0.6	0.5	ASTM D972
Water Washout @38°C, 1h, % loss ≤	1.0	0.8	0.5	ASTM D1264
Roll stability, (28°C , 2h) % Change No adding water Adding water	+4 -1	+2 -3	2 -3	ASTM D1831
Four-ball test, PB N PD N	800	800	800	ASTM D2596
Base Oil Viscosity, cSt. @40°C	410-550			ASTM D445

Application

- Bearings of CCM in Steel Mills
- Bearings in contact with water
- Bearings under high temperature and pressure
- Heavy load machines

SPRAY PRODUCTS

944 BRAKE & CLUTCH CLEANER

Specially designed for the cleaning of all types of metal surfaces, brakes, brake shoes, drums and springs. Easily removes the grease, tar and other heavy dirt.

S E M P E R M A X

944

FREN & BALATA
BRAKE & CLUTCH

SPRAY

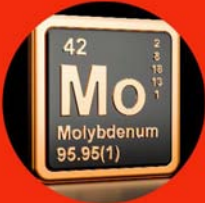


S E M P E R M A X

912

MOS₂ KURU YAĞ
MOLY DRY

SPRAY



912 MOLY DRY LUBE

Specially formulated "dry" lubricant. Its carrier agent evaporates almost instantly, leaving the remaining "dry" lubrication. Recommended for chains and sprockets, sliding surfaces, rollers and conveyors, door locks and hinges, and many other applications.

964 COPPER ANTI-SEIZE GREASE SPRAY

Provides a shield against high temperature seizing. Studs, bolts, flanges, gaskets can be removed easily and in better condition.

S E M P E R M A X

964

BAKIRLI MONTAJ SPREYİ
COPPER ANTI-SEIZE

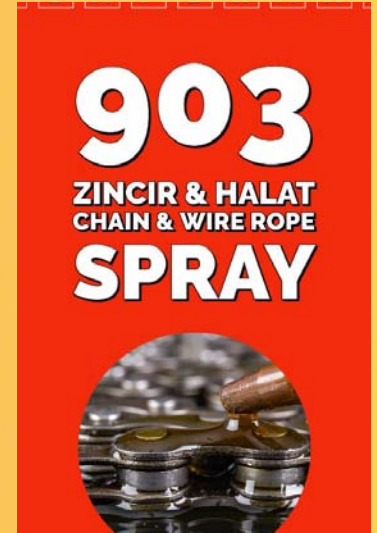
SPRAY



SPRAY PRODUCTS

903 CHAIN & WIRE ROPE

Removes dust, dirt, oil and other industrial soils. Low residue. Can be used at roller bearings, slides, hinges, sprockets, valves and fittings.



901

PAS SÖKÜCÜ
RUST REMOVER

SPRAY



901 RUST REMOVER

Can be used for all metal surfaces effected by rust due to water and humidity. Very effective for the stuck nuts, bolts, handtools, door hinges and all other metal surfaces. Forms a layer after removing the rust. Delays the rusting.

916 SILICONE SPRAY

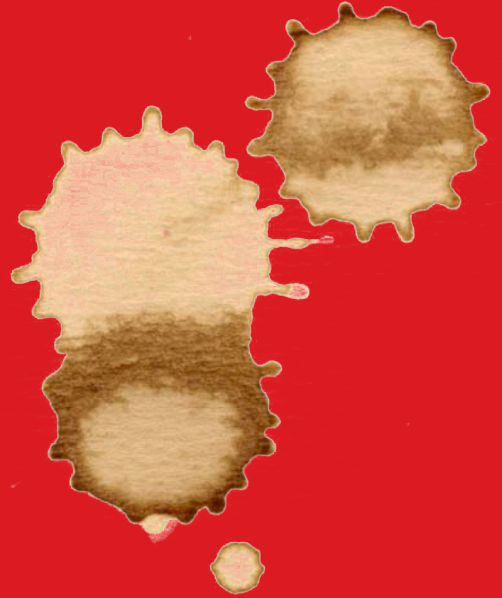
General purpose lubricant spray with fast penetration, high level clinging on the surfaces. Widely used in industrial areas as a common lubricant.

916

SIVI GRES
LIQUID GREASE

SPRAY





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