

DIRGHAYU Knitting oils.

IPe / EC 10 / CLA / KO 22 & IPPe/ CLA / KO 22
Green & Energy Efficient Bio Based Knitting Oil
A Plus & A



'PRODUCT INFORMATION'

Dirghayu IPe / EC 10 /CLA / KO 22 & IPPe /CLA / KO 22 are unique bio based Green Knitting oils for Knitting industry. Being Bio based, the oils are having **exclusive properties**

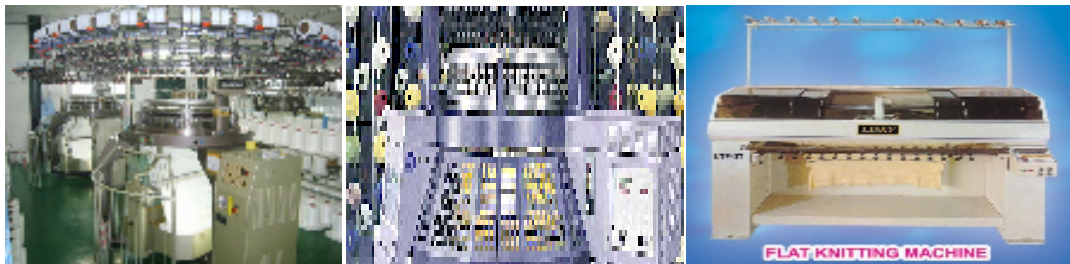
- Very High Lubricity** - Resulting in Energy efficiency, drop in working Temp., reducing needle breakage .
- High Viscosity Index**- Maintaining Viscosity from cold start up to working Temp.
- High Flash point & Low evaporation rate**- Safe & long lasting.
- Bio degradable & Non Toxic**- unlike Synthetic & Petro based the spent oils will not need ETP , can be burnt with fuel or can be composted. Thus, this is absolutely **Environment friendly** as desired in '**GOTS**' for export .

The above properties are fortified with select additives for Anti oxidant, de foamer, mild anti static & special additive for **complete scour ability** , leaving no stains after hot / cold water wash.

The **A Plus KO 22** oil is most suitable for automatic circular knitting machines & flat knitting machines , but is slightly expensive. **A KO 22** oil is having all these properties at slightly less lubricity , but may prove to be less expensive.

Dirghayu KO 22 Knitting oils in circular & Flat Knitting machines will result in **lowest** oil consumption , **high** electrical **energy saving** & **low** working temperature. Compounding the same with **Dirghayu Gear oil** will further add up energy saving.

Due to high lubricity , it is also observed that, the life of needle & die , increase considerably . The needle breakage is reduced or eliminated. Due to setting of pneumatic pressure, the oil flow to the machine exceeds its requirements & is collected back as returned oil. In case of Dirghayu, returned oil can be reconditioned. Moreover, accurate setting can be achieved for lowest or nil oil return without affecting the life of needles.



TECHNICAL DATA SHEET OF DIRGHAYU KNITTING OIL Type - A Plus & A

				I _{Pe} /EC 10 / CLA / KO 22 A +	IP _{Pe} /CLA/KO 22 A
SR.NO.	PROPERTY	UNIT	Test Method		
1	Appearance		Visual	Light Yellow	Light Yellow
2	Density @15°C	Kg/m ³	Hydrometer method	890	885
3	pH		pH Method	7.4	7.3
4	Grade			22	22
5	Viscosity @ 40°C	Centistokes	ASTM D 445	20.27	22.62
6	Viscosity @ 100°C	Centistokes	ASTM D 445	5.03	5.4
7	Viscosity index		ASTM D 2270	191	188
8	Acid Number	Mg KOH/g	AOCS Te 1a-64	1.1	0.78
9	Flash Point	°C	ASTM D 92	>170	190
10	Copper Corrosion Test		ASTM D 4048	1a	1a
11	pour point	°C	ASTM D 97	-15	-25
12	Four Ball scar	mm	ASTM D 4172	0.36	0.39
13	Four Ball weld load	Kg	ASTM D 2783	260	400

Manufactured :

M/s. Intech Energy Systems Pvt Ltd, S NO. 1073 / 1, 2, 3, Mutha Road, Pirangoot, Pune-412 111 (India).

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