PRODUCT DATA

PETROLEUM

VKB Petroleum Gear Oils PAO

PRODUCT DESCRIPTION

HIGH PERFORMANCES and LONG LIFE SYNTHETIC OIL to SPEED REDUCTION GEARS

VKB petroleum Gear Oils PAO are an extreme pressure semi-synthetic oil range designed to gear boxes, transmissions, plain bearings, roll bearings working under severe conditions of loads and temperature.

Miscible and compatible with mineral oils and synthetic oil except PAG

" VKB petroleum Gear Oils PAO " range is to use to:

- Paper mills and cardboard factories (high temperatures...),
- Cement factories (heavy loads...)
- Chemistry plants aggressive environment.
- Wind mills.

AVANTAGES

VKB petroleum Gear Oils PAO are formulated with synthetic hydro carbons and the last generation of additives to provide the following:

- A high safe of lubrication, given by high extreme pressure properties.
- An improve of the output thanks to low internal sliding friction created by chemical nature of oil and additives.
- A very long life given by a high natural thermal stability and a high level oxidation resistance.
- An easy using on a large range of temperature given by a high viscosity index.
- A low residue thanks to a low evaporation, Economics of the cost of maintenance thanks to large period of bow off in comparison to standard oils.

PERFORMANCES

CLASSIFICATIONS ISO 6743/6 caL CKD/CKT DIN 51517 PART 3 cat. CLP

TYPICAL TECHNICAL DATA

Property	Test	Units	Gear 150	Gear 220	Gear 320	Gear 460	Gear 460
Nature	-	-	Synthetic	Synthetic	Synthetic	Synthetic	Synthetic
Color	ASTMD1500	-	yellow	yellow	yellow	yellow	yellow
Grade	-	-	ISO 150	ISO 220	ISO 320	ISO 420	ISO 680
Viscosity @ 40° C	ASTM D445	mm^2/s	135-165	198-242	288 – 352	414 -506	612-748
Viscosity @100° C	ASTM D445	mm^2/s	20.3	23.9	38.5	50.5	67.4
Viscosity Index	ASTM D2270	-	151	140	175	179	173
Flash Point	ASTM D93	° C	>200	>200	>200	>200	>200
Pour Point	ASTM D97	° C	-33	-22	-22	-22	-36
4 ball machine — scar diameter	-	mm	0.45	0.45	0.43	0.43	0.28
welding load	-	Kg	315	315	315	315	315