Schneiden Lubricants

Technical Data Sheet

Date of update: 2021-09-26

SGBASE-WE-PAG

Water Soluble PAG Base Oil

Description :

- This advanced, water-soluble polyalkylene glycol (PAG) lubricant is specially engineered to deliver exceptional load-carrying capacity and superior thermal conductivity, ensuring efficient heat dissipation across a wide temperature range. Its outstanding anti-micro-pitting performance significantly extends the service life of gearboxes, while its excellent thermal stability supports prolonged operation under severe conditions.

- Compared to conventional hydrocarbon-based oils, this PAG formulation can enhance energy efficiency by up to 10% and reduce operating temperatures, thanks to its low friction coefficient and high thermal conductivity, which enable rapid heat transfer.

- The lubricant also maintains strong lubricity and load-bearing performance even in the presence of water, making it ideal for demanding environments. Its biodegradability and renewable base make it a suitable choice for applications requiring occasional food contact or a sustainable lubrication solution

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Technical Data:

Properties	Specifications							
SGBASE-WE-PAG	68	100	150	220	320	460	680	1000
Viscosity at 40℃, mm2/s, approx.	68	100	150	220	320	460	680	1000
Viscosity at 100℃, mm2/s, approx.	15.41	18.4	28.8	43.7	57.9	80	110	165
Flash point (Open cup), ℃, approx.	240	230	230	240	240	250	250	250
Pour point, ℃, approx.	-50	-42	-43	-41	-39	-36	-33	-33
Viscosity Index	241	205	232	255	250	257	261	284
Water Content ,%.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Appearance	Colorless to Pale Yellow							

Schneiden Global