UCON™ OSP Base Oils:
Oil Soluble Polyalkylene Glycol Base Oils

Product Description

UCON™ OSP Lubricants are a new generation of synthetic polyalkylene glycol (PAG) base oils from The Dow Chemical Company. These distinct products are fully miscible with most Group I-IV hydrocarbon oils. UCON™ OSP Lubricants can be used as primary base oil, co-base oil and as an additive in automotive and industrial lubricant formulations. They upgrade the properties of hydrocarbon oils in offering the usual benefits of standard PAGs such as low friction coefficient, excellent oxidation stability, high viscosity index and improvements in deposit control.

Features & Benefits

- **Compatibility:** Unlike conventional PAGs, UCON™ OSP base oils provide oil miscibility in Group I-IV hydrocarbon oils.
- **Multi-purpose:** UCON™ OSP base oils are available in a wide range of ISO viscosity grades and can be used in all types of lubricants such as hydraulic fluids, metalworking fluids, greases, engine and transmission oils.
- **Deposit control**: when used as a primary or co-base oil in formulations UCON™ OSP base oils reduce deposit and sludge formation.
- **Friction control:** PAGs provide excellent film forming properties. Low treat levels of UCON™ OSP base oils in hydrocarbon base oils can provide excellent friction control and extreme pressure properties.
- **Stability:** in addition to offering high VI values and low pour points, UCON™ OSP base oils also display excellent hydrolytic stability.
- **Safe to handle:** the products have been designed to meet the highest Environmental, Health & Safety performance standards.

*Typical Physical Properties**

Property	Method	OSP-32	OSP-46	OSP-68	OSP-150	OSP-220	OSP-320	OSP-460	OSP-680
Viscosity @ 40°C, mm^2/sec	ASTM D 445	32	46	68	150	220	320	460	680
Viscosity @ 100°C, mm^2/sec	ASTM D 445	6.5	8.5	12	23	32	36	52	77
Viscosity Index	ASTM D 2270	146	164	171	186	196	163	177	196
Pour Point, °C	ASTM D 97	-57	-57	-53	-37	-34	-37	-35	-30
Flash Point, °C	ASTM D 92	216	216	218	228	226	230	235	243
Acid number, mg KOH/g	ASTM D 974	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Four ball wear scar, mm	ASTM D 4172	0.58	0.58	0.48	0.43	0.46	0.45	0.43	0.38

*Typical properties, not to be construed as product specifications

For More Information

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