

ICCSYN[®] CTL BASE OIL

Description:

ICCSYN[®] CTL base oils are API Group III Plus based on CTL (Coal To Liquid) technology. Their unique synthetic composition, with no aromatics, naphthenic, sulfur and nitrogenous content, is designed to enhance performance over conventional base oils in many extreme applications.

The basic technology behind the CTL process, known as Fischer–Tropsch synthesis, which is the heart of the Coal-to-Liquid technology as it is the process by which synthesis gas (or syngas, a mixture of carbon monoxide and hydrogen) can be converted into unique synthetic composition.

Characteristic:

- High viscosity index
- Low volatility
- Low pour point
- High flash point
- Outstanding UV and thermal color stability.
- Excellent oxidation resistance

Typical performance :

Item	ICCSYN [®]				Test Method	
	3	4	6	10		
Appearance	Bright & Clear				Visual	
Density@15.6 °C, g/cm ³	0.806	0.814	0.822	0.831	ASTM D1298	
Kinematic Viscosity, mm ² /s	@100 °C	2.96	4.14	6.36	11.89	ASTM D445
	@40 °C	11.2	18.2	33.7	77.95	
Viscosity Index	120	133	143	147	ASTM D2270	
Flash Point, COC, °C	202	222	240	286	ASTM D92	
Pour Point, °C	-45	-42	-42	-40	ASTM D97	
Saybolt Color	30	30	30	30	ASTM D1500	
Acid Number, mgKOH/g	<0.01	<0.01	<0.01	<0.01	ASTM D974	
Water Content, ppm	20	20	20	20	ASTM D6304	
Noack Volatility Loss(250°C,1h), wt%	32	11.1	4.1	1.2	ASTM D5800	
Cold-Cranking Simulator, mPa.s	-	1760 @-35°C	3080 @-30°C	3790 @-20°C	ASTM D5293	

Typical Properties are obtained with normal production and do not constitute a specification.

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