Infineum S1866

Description

Infineum S1866 is an advanced additive technology specially designed for formulating premium 4-stroke motorcycle engine oils. Oils blended with Infineum S1866 in a wide range of base stocks meet JASO T903:2011 requirements including JASO MA2 friction category for improved clutch performance. It also provides API SL licensed performance and JASO quality categories ranging from SG to SL, allowing for product line rationalisation as well as optimised logistics and storage, reducing overall cost. Infineum S1866 is suitable for use in both air-cooled and liquid-cooled 4-stroke motorcycles.

To meet JASO MB performance, Infineum S1866 may be boosted with Infineum S1889. The treat rate of Infineum S1889 will vary depending on formulation, but 0.15 mass% to 0.40 mass% is typical.

Performance

Performance Level:	SAE Viscosity Grade:	Mass %:
JASO MA/MA2	10W-30, 10W-40, 15W-40, 15W-50, 20W-40, 20W-50	8.0
API SL		
JASO MA/MA2	All	8.0
JASO Quality Category SL		
JASO MA/MA2	All	7.5
JASO Quality Category SJ		
JASO MA/MA2	All	7.1
JASO Quality Category SG		

Licensed Performance Levels: API SL for SAE Viscosity Grades 10W-30, 10W-40, 15W-40, 15W-50, 20W-40, 20W-50 in Exxon Group II base stocks
Infineum S1866 is formulated to meet the lubrication needs of motorcycle engines. Infineum does not promote the use of Motorcycle products beyond the intended application.

Typical Inspections

Property:	Value[(a)]:	Unit:	Method[(b)]:
Base Number	83	mg KOH/g	ASTM D2896
Calcium	2.31	%(m)	ASTM D5185
Density @ 15 C, kg/m3	978	kg/m3	ASTM D4052
Flash Point Deg C	110 Minimum	°C	ASTM D93
Kinematic Viscosity @ 100 C	130	cSt	ASTM D445
Kinematic Viscosity @ 40 C	3100	cSt	ASTM D445
Nitrogen	0.81	%(m)	ASTM D5291
Phosphorus	1.16	%(m)	ASTM D4927
Zinc	1.28	%(m)	ASTM D4927

(a)Not a specification, (b)Methods typically used by Infineum manufacturing plants

Handling / Precautions

Follow precautions normally taken for handling lube oil stocks. Do not heat over the maximum loading/unloading temperature. Avoid contact with water which can cause product degradation. Avoid high temperature contact with air which darkens product. Avoid contact with moist air.

Min Load/Unload Temp:	55 °C (131 °F)
Max Load/Unload Temp:	65 °C (149 °F)
Vis @ Min Load/Unload Temp:	1,000 cSt
Vis @ Max Load/Unload Temp:	600 cSt
Maximum Storage Temperature:	60 °C (140 °F)
Do not reheat above:	65 °C (149 °F)

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