



SAE 20W50 API INFINOIL PHENOM+ SEMI SYNTHETIC (INFSSYN 20017)

Performance Standard: API CC/CF/CI4

Manufacturer: MICRATTO TECHNOLOGIES, MALAYSIA

Product Description

SAE 20W50 API INFINOIL PHENOM+ SEMI SYNTHETIC (INFSSYN 20017) is an extra high performance petrol engine oil that provides excellent lubrication of today's petrol engines promoting extended engine life. As a result, this product meets or exceeds the specifications of virtually all major European and American engine manufacturers. This extra high performance has been proven in the field in a wide variety of industries, applications, and mixed fleets. It offers extra protection to engine, clutch & gears, value for money with 70% Extra Mileage and outstanding performance in all weathers.

Features and Benefits

INFINOIL PHENOM+ SEMI SYNTHETIC is formulated from high performance base oils and a superior balanced additive system to provide optimum engine performance in modern diesel and gasoline engines as well as older models. The key benefits include:

Features	Advantages and Benefits
High thermal and oxidation stability	Reduced sludge build-up, deposits and viscosity increase
TBN reserves	Deposit control and acid neutralization
Stay-in-grade shear stability	Wear protection and viscosity control
Excellent low temperature properties	Start-up wear protection
Meets demanding specifications of key OEMs	One engine oil for mixed fleet operations

Applications

- Naturally aspirated and petrol powered equipment from leading Japanese, European, and American manufacturers
- On-highway light and heavy-duty trucking
- Off-highway industries including: construction, mining, quarrying, and agriculture

SAE 20W50 API INFINOIL PHENOM+ SEMI SYNTHETIC or exceeds the requirements of the following industry and builder specifications		
API SF	MB-Approval 228.3	API CC
ACEA E7	Mack EO-M PLUS/EO-N	ACEA A2/B2
Caterpillar ECF-2	Volvo VDS-3	Volvo VDS-2
Cummins CES 20078, 20077, 20076	Renault Trucks RLD-2	Renault Trucks RLD
JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7.2
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.885
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	145.00
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	17.4
7	Viscosity Index	ASTM D 2270	NONE	132
8	Pour Point	ASTM D 97	°C	-30
9	CCS @ -15°C	ASTM D 5293	cP	8200
10	Flash Point	ASTM D 92	°C	238

(**The features mentioned above are average values obtained with some variability in production and do not constitute a specification)

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed.