## **TECHNICAL DATA SHEET**



## HOCL V-TWIN MOTORCYCLE ENGINE SAE 15W-50 JASO MA2

Premium performance motorcycle engine oil for V-Twin engines requiring API MA2/MA and earlier specifications for either Air Cooled or Water Cooled American, European and Asian motorcycles.

# **Description**

V-Twin Motorcycle Engine 15W-50 is an advanced HYDRO-SYN™ all season motorcycle oil for aggressive riding, cruising or in stop-and-go traffic.

V-Twin Motorcycle Engine 15W-50 provides component durability, smooth, confident gear shifting and stay-in-grade viscosity with proven reduced oil consumption.

V-Twin Motorcycle Engine 15W-50 keeps engines running cooler by effectively reducing friction and heat. Increased durability performance for everyday riding, wear protection, in both low and high temperature whilst providing smooth shifting and positive clutch engagement.

## **Application**

V-Twin Motorcycle Engine 15W-50 meets the requirements for many applications where JASO MA2 and earlier are specified for Parallel Twin, Flat Twin, V4 and Flat Four engine applications.

#### **Benefits**

- Easy cold weather start for compression or electric start
- Proven wear protection of all engine and transmission gear components
- Provides boundary gear protection
- Suitable for use in wet clutch or as a dry clutch manual transmission oil
- Suitable for Air and Water cooled motorcycle engines
- Stay-in-grade, shear stable viscosity protection
- High temperature protection
- Eliminates engine sludge and maintains valve train and piston cleanliness
- Reduced oil consumption

**Specifications:** 

JASO MA2

**Backward compatibility:** 

JASO: MA/MB

GL-1

TEST DESCRIPTION	ASTM	RESULT
Description	Visual	Clear/Amber
SAE Viscosity Grade		15W-50
Viscosity, cSt @ 40°C	D-445	144.62
Viscosity, cSt @ 100°C	D-445	18.98
Viscosity Index	D-2270	145
Density @ 15°C, kg/L	D-4052	0.873
Total Base Number, (TBN), mg KOH/g	D-2896	10.82
HTHS @ 150°C, cPa	D-4683	5.22
Cold Crank Viscosity, mPa.s @ -20°C	D-5293	6,891
Pour Point, °C	D-5950	-28
Flash Point (COC), °C	D-92	241
NOACK Volatility, Evaporative Loss @ 250°C	D-5800	9.46
Product Code:		88870

88870v20 DG/GS 2/20

Typical formulation specifications at time of production, minor variations may occur.