



PENRITE



**85% REDUCTION
IN LANDFILL
WASTE**

MC-4ST V TWIN 20W-50 (100% PAO & ESTER)

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PRODUCT CODE	PACK SIZE	CARTON QTY
MC4VT20W50001	1L	6
MC4VT20W50004	4L	4

PRODUCT BENEFITS

MC-4ST V TWIN is a superior performance, premium **100% PAO & Ester**, synthetic, SAE 20W-50, non-friction modified 4-stroke engine oil. It contains a superior anti wear package of ***FULL ZINC +** (exceeding 1800+ ppm levels) for ultimate engine, gearbox & clutch protection against wear, corrosion, oil oxidation, piston deposits and sludge under all conditions. It meets the requirements of API SN/CF and JASO MA.

APPLICATION

MC-4ST V TWIN is designed for use in modern four stroke road & sports bikes, dirt & enduro bikes, ATV's/Quad bikes and 4 stroke scooters that require a full synthetic SAE 20W-50 engine oil. It is especially suited to medium and large capacity V Twin and opposed cylinder engines. It can also be used in transmissions with dry or **wet clutch** systems or where engine & gearbox oils are combined. It has optimum clutch slip prevention in these systems being compliant with JASO MA as is suitable for use where JASO MA1 and JASO MA2 is specified.

MC-4ST V TWIN can be used where semi synthetic or mineral oils are specified by the manufacturer such as in BMW, Buell, Cagiva, Harley Davidson, Indian, Laverda, Moto Guzzi, Triumph, Victory and many others.

MC-4ST V TWIN contains **100% PAO and Ester** base oils that provide superior oil film strength, heat resistance and oil shear protection combined with a **SHEAR FREE** formulation that eliminates viscosity loss and maintains oil pressure during extreme engine operating conditions ensuring the ultimate in protection for your engine.

MC-4 ST V TWIN is also suitable for use in other four stroke engines such as stationary engines & generators or other vehicles that require this grade and specification of engine oil and it can be used with most petrol, racing, diesel (Non DPF) and other conventional fuels. It is ideal for use where emission control systems are fitted such as catalytic converters or secondary air injection.

***Full Zinc +** = Zinc level + Boron level combined as a total anti-wear package

PRODUCT BENEFITS

- Blended using **100% PAO** (Poly Alpha Olefin Group IV) and **ESTER** (Group V) base oils for maximum heat resistance and high performance
- ***FULL ZINC +** anti-wear additive package for ultimate engine wear protection
- **SHEAR FREE** formulation maintains oil pressure and eliminates viscosity loss
- **MAXIMUM** wear protection, minimum sludge formation & reduced piston deposits
- **FACTORY PROVEN** by competition race teams and trusted protection for performance engines
- Maximum power and acceleration
- Backward compatible and suitable for use with SM, SL, SJ, SH & SG oils
- Suitable for wet clutch systems (JASO MA, JASO MA1 and JASO MA2)
- Extends engine life by reducing formation of high temperature engine deposits.
- Safe for use with emission control systems

***Full Zinc +** = Zinc level + Boron level combined as a total anti-wear package

PRODUCT PERFORMANCE LEVELS

- API SN/CF
- JASO MA

SUITABLE FOR USE WHERE SPECIFICATIONS BELOW ARE REQUIRED (FOR OUT OF WARRANTY SERVICE)

- API SJ/CF
- API SL/CF
- API SM/CF





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TYPICAL DATA

Colour	Amber
Density at 15°C, kg/L	0.871
Viscosity, Kinematic, cSt at 40°C	124
Viscosity, Kinematic, cSt at 100°C	17.3
Viscosity Index	154
Cold Cranking Viscosity, cP at -15°C	4156
Zinc, Mass %	0.124
Boron, Mass %	0.063
Phosphorus, Mass %	0.112
Sulphated Ash, Mass %	1.2
Total Base Number (TBN)	9.8