

Ethanol Mix Petrol Fuel(IS:2796 or 17021) reflects in IS:11501-1986 or Not?

IS establishment Period → IS:11501 & IS:2796/17021

HONDA

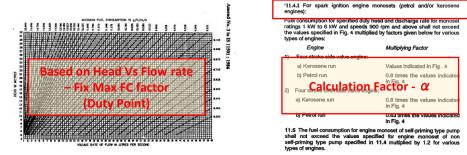
□ IS: 11501 – 1986

(Agriculture Engine monoset Water Pump – Reaffirmed 2001)



2 Characteristics of Clear Cold Frash Water - Characteristics of clear cold freeh water av

FC Curve & Calculation – to fix Pump Duty point



Guarantee for mass produced pumps - Tolerances

15.2.2 Guarantees for mass-produced pumps — For mass-produced pumps, any pump corresponding to the curves give for any chosen operation point, results not divergent from the values of the published curve by more than:

- a) —6 percent for total head,
- b) -8 percent for rate of flow, and
- c) +10 percent for power input.

Our assumption, it is specified based on 100% Petrol Fuel.

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IS: 2796:2008; E5 Fuel – 3rd Revision -Amendment3:2003

IS 2796 : 2008

भारतीय मानक

मोटर गैसोलीन --- विशिष्टि

(चौथा पुनरीक्षण)

Indian Standard

MOTOR GASOLINE - SPECIFICATION

(Fourth Revision)

IS: 17021:2018 ; E20 Fuel

भारतीय मानक Indian Standard IS 17021 : 2018

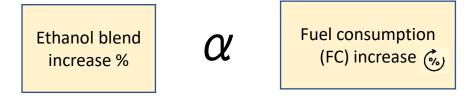
ई 20 ईंधन — निर्जल इथेनॉल और गैसोलीन का मिश्रण — स्पार्क इग्निटेड इंजन संचालित वाहनों के लिए ईंधन के रूप में — विशिष्टि

E 20 Fuel — Admixture of Anhydrous Ethanol and Gasoline — As Fuel for Spark Ignited Engine Powered

However Ethanol Fuel Blending standards were established later.

We Urge to BIS for ethanol fuel spec clarification in IS:11501.

Product Quality



: For Same Output = Fuel Consumption \uparrow

Water pump functional necessity is output.

Challenge for OEM

EBP-2025 Policy beyond E10 i.e. E20 or Flex fuel.

Same Output (Keep Quality View Point)

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IS:11501, FC Criteria/MP guarantee (on same duty point)

Difficult challenge to keep same quality parameter with ethanol mix fuel.

HONDA

- 1. Clarify IS:11501 ethanol mixing fuel incorporate?
- 2. Realization of Business impact Effect on competitiveness.



Thanks for your kind Consideration