

### **Typical requirement of crude oils to process in the CPC refinery**

Fraction	TBP cut range °C	Yield wt%	Key Properties and Remarks
Naphtha & gases	< 140	16 - 22 (Max)	Light gases must be limited to 1.0% wt. Heavy Naphtha (TBP Cut Range 100-170°C) Naphthene greater than 18% and less than 50%, (Naphthene + 2 x Aromatics) > 50%
Kerosene Gas oil	140 -235 235 -350	Both 35 - 60 (Max)	Freezing point of Kerosene must be lower than -47C. Kerosene Max 25% Wt. Specific gravity of Gas oil must be less than 0.86 and Cetane Index must be greater than 46.
Residue	350+	16 (Min) - 45	Pour point of Residue must be less than 70 °F (up to 90 °F also can be considered) Sulfur Content Less than 2.0% and with minimum wax content.

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Note 01 : **Murban crude oil from UAE** has been benchmarked as the preferable crude oil for the CPC refinery and preference will be given to Murban crude oil

Note 02 : This is typical requirement. A detailed Crude Oil Assay to be submitted with all key properties of each TBP cut range for analysis to be done for accepting the crude oil.