

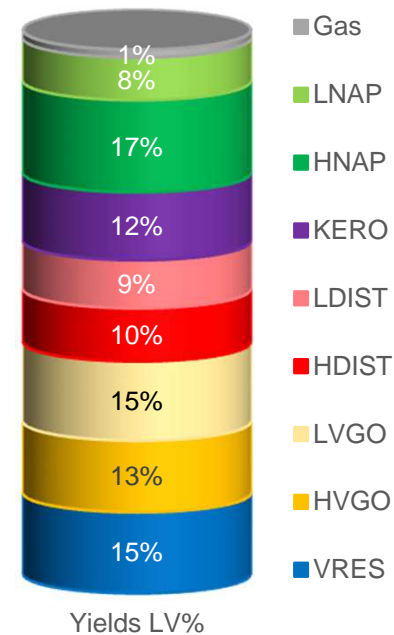
LIFTINGS

Country	VIETNAM
Terminal	FSO Rang Dong MV17 operated by Japan Vietnam Petroleum Co. Ltd.
Location	Offshore 160 miles south east of Ho Chi Minh City
Loading Restriction	Terminal accepts vessel up to 150k DWT
Loading Rate	11,000 bbl/hour - loading is done in tandem
Cargo Size	200,000 bbl subject to +/- 5% tolerance
Note	No draft restriction, Aframax and Suezmax



CRUDE OIL CHARACTERISTICS

General	Rang Dong is a light ultra-low sulfur, paraffinic Crude Oil with high yield of Naphtha of excellent quality for isomerization and reformer feedstock. Yields 1.44 LV% of 56 WT% butane LPG.
Naphtha	Yields 17% of Naphtha suitable for reforming with a good N+2A.
Kerosene	Low aromatic, very low sulfur and low nitrogen; high smoke and aniline point suitable for hydrotreating Jet Fuel.
Gas Oil	19 LV% of high quality Gas Oil with cetane index of 68 and 0.03 WT% sulfur.
VGO	Paraffinic nature, good yield of thermal and catalytic feedstock with low nitrogen.
Residue	15 LV% Vacuum Residue of good viscosity, 15.8 °API and 0.15 WT% sulfur Fuel Oil.



RANG DONG

API Gravity	40.24
Density 15°C kg/l	0.8235
Sulfur WT%	0.047
Nitrogen ppm	340
RVP kPa	51.16
Pour Point °C	24
TAN mgKOH/g	0.13
Viscosity 40°C cSt	4.7
Viscosity 50°C cSt	4
Vanadium ppm	0.12
Nickel ppm	3.13

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