

PRODUCT APPLICATION NOTE

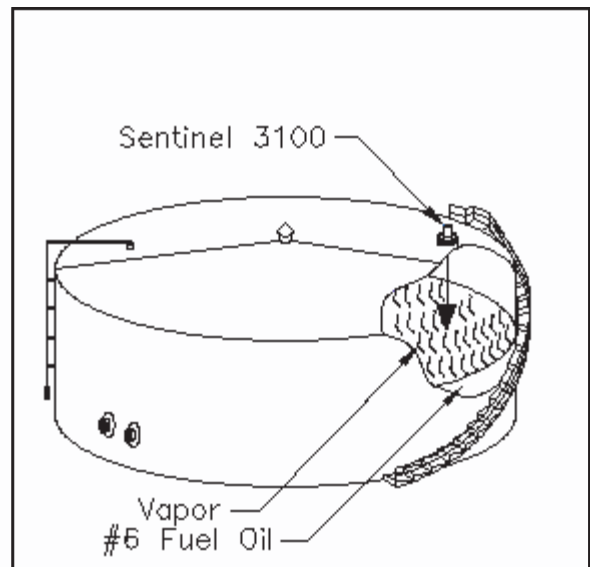
SN0503

Industry:	Primary Metal Industries, Chemical and Allied Products, Petroleum Refining and Related Products
Type of Application:	Level monitoring of #6 fuel oil
Optech Equipment Used:	Sentinel 3100
Application Description:	The customer required monitoring of the level of #6 fuel oil for coarse inventory control.

A steel company required a level monitor to determine the quantity of #6 fuel oil in a 500,000 BBL capacity tank. After ultrasonics proved unsatisfactory in the presence of vapour layers and radar was hampered by the low dielectric constant of oil, the customer tried the Sentinel 3100. Our laser sensor met the client's requirements perfectly.

KEY ADVANTAGES OF LASER TECHNOLOGY IN LEVEL MEASUREMENT

- Non-contact measurements
- Short setup time with no calibration required
- Measurements unaffected by temperature variations
- Measurements unaffected by off-gas layers
- Measurements unaffected by low dielectric constant of material
- Measurements can be made to targets with temperatures of up to 1,500°C
- Measurements can be made even in turbulent air flow
- Measurements can be made in moderate amounts of dust



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