



Technical Review
Snorklift Hydraulic Test

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MAXR TREATMENT
SNORKEL TB60 AND TB120
SNORKLIFTS

Sunrise Rentals Limited located in Timmins, Ontario operates a leasing facility of various pneumatic equipment and services the mining, lumber, paper mill and construction industries.

In winter, temperatures of -40°C to -50°C can be attained in Northern Ontario. A Snorkel TB60 leased to the mining company, Falconbridge Limited, started at a temperature less than -20°C. It was observed that the machine was sluggish and pulsating in the attempt to operate the same. One hour elapsed before the smoothness of the hydraulic system was noticeable.

Under certain conditions should the operator attempt to run the unit immediately after startup damage will result in blown gaskets or potentially damage the pump. Loss of utilization, loss of rental income and increased repair costs will significantly increase the rental charges to the customer.

In December 2004 MaxR™ hydraulic was applied to a TB60 hydraulic lift; 2.5 gallons was added to the hydraulic oil reservoir of the unit containing 32 gallons of hydraulic oil. The unit was operated for eight hours without pulsation or sluggishness. The following morning a temperature of -42°C was recorded.

The unit was started and within ten minutes was in full operation without any pulsation or sluggishness. The President, Jim Labine, has indicated that all hydraulic equipment leased by the company will be treated with MaxR™ hydraulic where ever applicable.

