

9068 MONOLEC[®] SYNTHETIC INDUSTRIAL OIL
MARQUETTE MOUNTAIN SKI AREA, Marquette, Michigan
Mattei Compressors • SIC 7999 Amusement & Recreation

**EXTENDED OIL DRAIN INTERVALS FROM 250-300 HOURS
TO 1,200 HOURS!**

CUSTOMER TESTIMONIAL

CUSTOMER PROFILE

Marquette Mountain Ski Area, located in Marquette, Michigan, is one of the Olympic training sites through Northern Michigan University. They have 30 vertical runs over 600' with views from the top of Lake Superior, the largest and deepest of the Great Lakes. The annual snowfall exceeds 200 inches. One of their claims to fame is their world class snow board parks, which includes rails, hips, 1/4 pipes, 30' vertical jumps, C-Rails, and snow walls.



APPLICATION

Primary pieces of equipment used by Marquette Mountain Ski area are SMI Wizzard Snow guns which utilize Mattei compressors. Average operating temperature of all equipment is 15°F (-9°C).

AREA OF INTEREST

The snow guns had a long record of compressor failures, with oil changes at 250 -300 hours. Marquette Mountain Ski Area tried using all types of products, from OEM to hybrids, with little success.

LE SOLUTION

In 2003, LE Lubrication Consultant Greg Klang recommended 9068 Monolec[®] Synthetic



Industrial Oil. LE's 9068 is for reciprocating and rotary compressors, vacuum pumps, hydraulic systems, high temperature non-EP gear drives, and low temperature fluid power drives. The blend of synthetic base fluids are able to reduce the formation of hard carbon deposits, yet maintain excellent lubricity, water resistance and seal compatibility. It contains Monolec[®], LE's exclusive wear-reducing additive.

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CUSTOMER COST SAVINGS

Since the conversion to LE's 9068, they have had no failures and are very pleased with their annual drains of 1,200 hours. OEM recommendations included three different oils and drains of 100 hours.

Information on the snow guns was supplied by Dan Dupras, who with 20 plus years of experience says, "This is the best performance we have ever seen."



Dan Dupras in shop with snow gun and Oil Safe pump, which is a great tool to top off the units on the hill when snow making operations are in full swing.

OTHER PRODUCTS USED

- 607 Almasol® Vari-Purpose Gear Lubricant is used in lift drive gearboxes. After 5 years of trouble free operation it still looks new and LEAP (Lubrication Engineers Analysis Program) reports show it to be in excellent condition.
- 2410 BTU+ Total Treat Diesel Fuel Improver is used in all Bombardier groomers, resulting in easier cold starts and reduced smoking.
- 9920 Synolec® Gear Lubricant is used in all groomers.
- Oil Safe units are used in multiple locations.
- LiquiDynamics grease guns



We would like to thank Dan Dupras and LE Lubrication Consultant, Greg Klang, for the information provided to prepare this report.



Greg Klang