



CANADA

- One of the world's largest mining nations. Canada produces over 70 minerals, metals, and their products. All these mines occupy just 0.03 per cent of the land area (less than half the size of Prince Edward Island).
  - One of the world's top five producers of minerals such as uranium, potash, aluminum, diamonds, zinc, gypsum, molybdenum, platinum group metals (a group of six rare metallic elements), salt, cadmium, titanium concentrate, and asbestos.
  - A country with about 200 principal metal, non-metal, and coal mines; over 3,000 stone quarries, and sand and gravel pits; and about 50 smelters, refineries, and steel mills.
  - A major producer and exporter of minerals and mineral-based products; Canada exports about 80 per cent of our mineral production.
  - A major producer of diamonds, with four operating mines and several mines under development.

# **RECYCLING – New Life for an Old Snowmobile**

- Once mined and refined, metals can be recycled almost forever—the metals can be used over and over without losing their chemical and physical properties.
  - Recycling metals means less energy is needed to transport and process ore.
  - Recycling metals conserves valuable natural resources and reduces the amount of waste that people produce.

Recycling is not just about cans, bottles, and paper. Exploration, mining, and processing metal ore are costly activities. Some metals are found in only a few parts of the world. That makes them difficult to produce. Metals that are used to make alloys, such as tungsten, molybdenum, titanium, and vanadium, can be recycled from stainless and specialty steels. Iridium, the most rare of the platinum group metals, can be recovered from electronic, automotive, and other scrap.

Used motor oil can contain additives and contaminants, such as arsenic, lead, magnesium, cadmium, chromium, benzene, and zinc. These can cause health problems in people. One litre of used motor oil can contaminate a million litres of clean groundwater. Used motor oil is insoluble and slow to degrade. It is a health hazard to humans, plants, and animals. Just 7.5 litres of recycled motor oil can generate enough electricity to run a TV for 180 hours—that's 7.5 days!

LCDs used in snowmobiles contain recoverable precious metals such as gold, silver, copper, and tin. The LCDs also can contain toxic metals such as antimony, chromium, cadmium, mercury, and lead. If we do not recycle these harmful metals, they can leak into the groundwater or pollute the air.

**Treat the Earth well. By recycling a snowmobile, we help protect the Earth and conserve its resources.**



[www.MiningMatters.ca](http://www.MiningMatters.ca)



 Ontario



2C



# What's in it for YOU?

cans to video games, mining makes it happen! Look at the pictures below to see where else you'll find the metals and minerals used in a snowmobile.



# מִתְּבָרֵךְ כָּל הַגָּדוֹלָה בְּנֵי יִשְׂרָאֵל



# From Northern Lights to Urban Trails



ΔΛ Δερ  $\triangleleft \cdot \triangleleft \cdot \cup$  Γρ  
ΣΔ·σ` bΔεլפ` -

the Land...From the Land  יְמִינָה וְעֵדָה...יְמִינָה וְעֵדָה

at a snowmobile. Do you see a sleek, powerful machine or a pile of rocks and minerals? It's both! Snowmobiles are made from the metals and minerals of the land.

ԱՀՀ ԱՐՅՈՒ. ԲԴՀՀԸ Ձ ՎԼՄԵԴՐ- ԽՀՀ ԶՎ ԵԿ ԵՀԵՆԻ ԵՎ ԱՐՄԻ?



**ca** COPPER **GOLD** diamonds **titanium** **TIN** MOLYBDENUM  
**ium** IRON **IRIDIUM** zirconium ZINC **lead** YTTRIUM **vanadium**  
**UMINUM** **boron** chromium nickel **TUNGSTEN** oil & gas

