

Manufacturers Sales Corp.
8500 Rangeview Ave.
Anchorage, Alaska 99504

February 8, 1988

Don,

I James D. (Joe) West was master mechanic for Alyeska Pipeline Service Co. at the pump station 5 shop for five years. We did the mechanic repair on all of Alyeska Pipeline Service Company equipment. We treated all the equipment with Metalube (Metalloid Fusion Treatment Process) and had top results with it. It beat any lube I had ever used in 45 years of Mechanical work and being a master mechanic for 35 years.

On the Alaskan Pipeline we had 14 miles of pipeline with no access road. So we had to walk a D8 dozer through the rough terrain. I told them not to road (move) to fast and to stop every two or three miles to let the rollers cool down. They will get to hot roading them too fast and may cause the roller to freeze up. That is what happened. So we broke the rollers loose and put the Metalube gear treatment in them. Then we rolled them over several times and roaded the D8 dozer back the same four miles and the rollers were barely warm. We worked the tractor the rest of the summer. When winter came we pulled the rollers and the bronze bushing were galled bad. I was surprised to see them like this as they had made it back the same four miles with no cooling off time. After this time we used the Metalube treatment on all rollers of any equipment that would be going through water. This eliminated any problems with any of the equipment that may travel in the water, pickups, or tractors.

We lost several small engines because the user would not check the oil. So we put metalube engine treatment in all of them and after this we never lost any.

The wheel bearings we packed with the metalube wheel bearing grease and never lost another bearing on any vehicles, and we had many.

We also packed bearings in generator sets and welders. Many sealed bearings are not packed with low temp. grease. So we packed them with the metalube wheel bearing grease and it can not be beat. We also used metalube gun grease on all equipment and eliminated problems. We used metalube on our cat 8L Ripper Tractor on all of the ripper pins every shift and had little or no wear on pins and bushings. This is ripping in deep permafrost which is very hard on a Ripper. Other lubes caused a Ripper to brake pins and long gate bushing holes and cause lots of wear on pins.

Sincerely;



Joe West
West Equipment Services
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