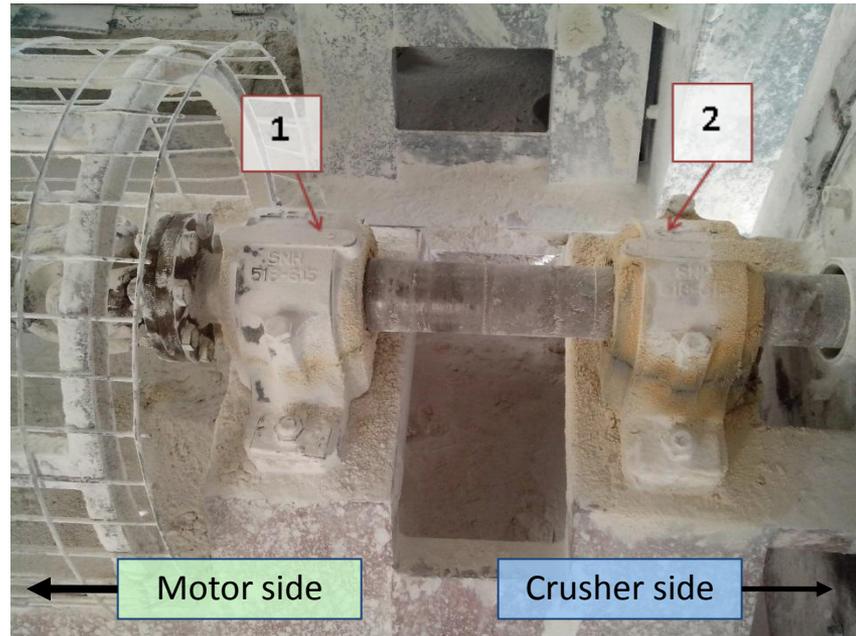


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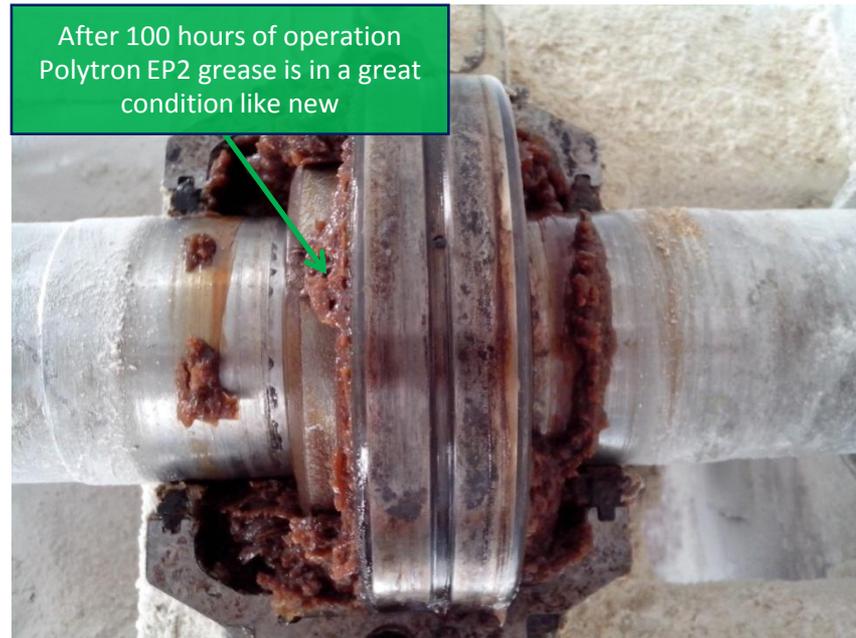


In this photo we see two bearings that belongs to a crusher - sander machine. The crusher is powered by a 160hp motor. Those bearings are located to the crusher shaft. The No.2 bearing (dirty) takes much more load than the No.1 and for that reason **it faced overheating and premature wear problems.**

The clean No.1 bearing is near to the motor and the No.2 bearing is near to the crusher. Practically one can touch the bearing No.1 with his arm around 3sec while he cannot touch the bearing No.2 at all because it is always too hot as a stove.

We tried Polytron EP2 grease to the hot bearing No.2 because it was rotating noisy cause to its wear. **Few hours after the application of Polytron EP2 grease the noise stopped and it's temperature dropped** in a way that practically someone can touch with his hand the bearing around 3 sec

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In this photo we see the slightly worn out No.2 bearing. As mentioned, this noisy bearing after it was lubricated with Polytron EP2 grease the, the noise has almost completely gone.

Since then Polytron grease has worked more than a 100 hours and still it is clean like new. It keeps exactly the same color and quality. For your information the bearing is barrel heavy duty type and the shaft rotates in 3,000 rpm.

Furthermore, no grease leaks occurred during its operation the way it was happening before using Polytron grease, which means that the maintenance intervals can be considerably extended.

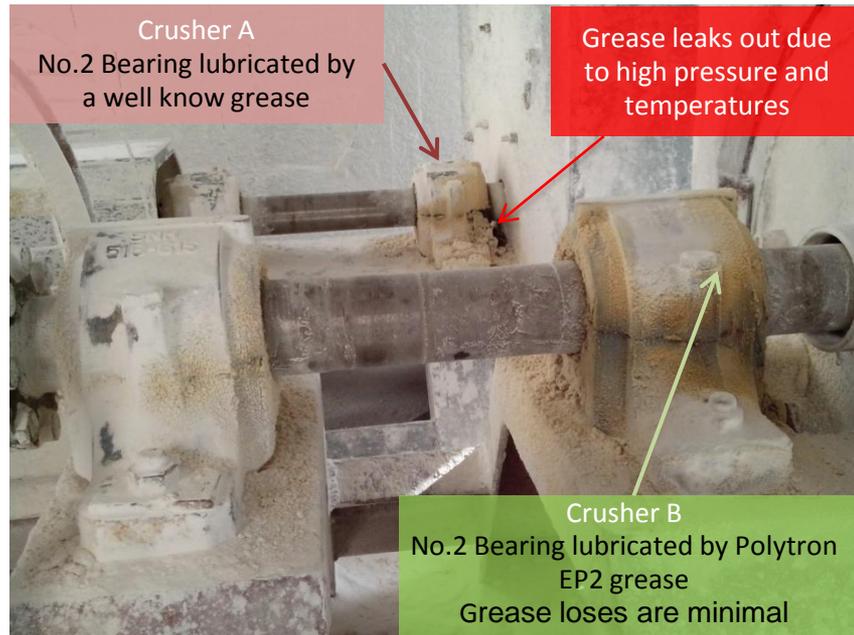
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In this photo we see the well name commercial grease after around 100 hour's operation in a similar bearing that we opened for inspection. The grease is ineffective in a dark color, and if you touch it, you will get a sense like wet bran. This grease when it was new had a light yellow color.

The bearing has grease leak also due to high pressures and temperature and it needs close inspections and supplements.

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In this photo we see two crushers (A and B) with their axels and bearings. No.2 bearing of crusher A is lubricated with a well-known commercial grease, while No. 2 bearing of crusher B was lubricated with Polytron EP2 grease. We are referring especially to No.2 bearing because it carries much higher loads and develops much higher temperatures compared to No.1. Both axels rotate at 3000 rpm.

In this photo we can see that the bearing which is lubricated by the well-known commercial grease has some of the grease leaked out (due to high temperatures and load pressure) and the bearing which is lubricated by Polytron EP2 grease doesn't have any grease that leaked out in spite of the fact that is carries much higher load than bearing No.1, which means that the bearing with Polytron grease does not require as frequent inspections and greasing as before, in addition to the fact that its temperature went 5 to 8 degrees below the temperature before Polytron EP-2 was applied.

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Sunder Crusher Product



This test of POLYTRON EP2 grease was done in our quarry, located in the municipality of Agios Nikolaos in Lassithi of Crete. We have found out that Polytron EP2 is highly effective for use in quarries and we highly recommend it for use in all of your mechanical equipment to get uninterrupted operation and solve all the overheating and premature wear problems your equipment incurs.

ΑΦΟΙ ΝΙΚΛΑΟΥ ΑΕ
ΕΚΜ/ΣΗ ΛΑΤΟΜΕΙΟΥ
ΥΠΟΚ/ΜΑ Α' : ΘΕΣΗ ΠΟΤΑΜΟΣ
ΚΑΛΟ ΧΩΡΙΟ - ΑΓ. ΝΙΚΟΛΑΟΣ ΤΗΛ. 2841082502
ΚΕΝΤΡΙΚΟ: ΠΕΡ. ΣΤΑΥΡΟΣ ΑΓ. ΝΙΚΟΛΑΟΣ
ΑΦΜ : 095204100 - ΔΟΥ ΑΓ. ΝΙΚΟΛΑΟΥ

A handwritten signature in blue ink, appearing to read 'N. Nikolaou', written over a light-colored background.

The quarry owner