



Pentagon Lubricants (I) Private Limited



*Recipient of 'Model 5s Company'
By ABK-AOTS DOSAKAI, Japan.*

1st Company in India to be conferred in SSI category.

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an initiative
of
pentagon lubricants (I)
private limited,
chennai,
india.

for the benefit of
its esteemed customers

to know more about us
please visit
www.pentagonlubricants.com

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CUSTOMER EDUCATION PROGRAM



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Beyond Creating
Great Products,
We Are Here To
Create More
Educated
Customers!

foreword
by
s.alex wilfred
managing director

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Dear All,

Greetings !

I am thrilled by the responses received to our Customer Education Program (CEP) and some wrote to us to add management topics and machine-maintenance topics so that they are enlightened more and achieve optimum productivity in their work.

We are immensely happy that through Customer Education Program (CEP), we are able to increase customer awareness on our products and services and share articles and write-ups on proper handling, storage, maintenance practice, troubleshooting, etc.

With your valuable support, I am pleased to send herewith our 4th issue – July 2013. From this issue onwards, **we have introduced certain topics on general management** and machine-maintenance related subjects for your benefit.

If you wish your friend or colleague in Purchase/Commercial/Production/Quality/Maintenance department to be benefitted by our CEP please send us their contact details to us.

Cheers !
S. Alex Wilfred

TOPICS COVERED IN THIS ISSUE:

Grease and Oil : A Comparison

Maintenance Tip : Lubrication

General Management Topics : *What do you do if you get a bad boss ?*



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Grease and Oil: A Comparison

- Oil is easier to handle for draining, cleaning, and refilling bearings or gear cases.
- Oil is more suitable for wide temperature and speed variations.
- Oil can be used in a circulating system to act as a cooling agent and to wash away impurities.
- Oil can be used in a gravity flow system to lubricate a number of bearings from one location.
- Grease will stay in a bearing with less leaking than oil, and the seals can be quite simple.
- With a grease gun, grease can be forced to flow in any direction, but oil will only flow down unless a pressure pumping system is installed.
- In operating conditions near lubrication failure, grease is better than oil of the same viscosity as the blended oil, due to the extra lubrication provided by the soap.
- Under many working conditions grease will carry a heavier load than the oil from which it is compounded, since the soaps impart superior lubricating ability.
- Greases are often more versatile than oils, and fewer grades are required for different speed and load conditions.





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Maintenance Tip - Lubrication

Rust, a form of corrosion, develops when iron, water and oxygen are present. When water comes in contact with iron, the water combines with carbon dioxide to form an acid. The acid dissolves the iron. During the dissolving process, a portion of the water breaks down into hydrogen and oxygen. The oxygen and dissolved iron bond into iron oxide, better known as rust. This bonding of oxygen and dissolved iron frees electrons from the iron (acting as an anode) which travel to the cathode. This movement of electrons corrodes the iron material.

Assembly fasteners and components on stationary and mobile equipment which are continually exposed to nature's elements (water, dirt, and temperature variation) can be difficult to disassemble due to corrosive effects of these elements. Heavily rusted fasteners can break-off or be damaged beyond use during disassembly. Additional maintenance time and costs are required to extract fractured fasteners and repair damaged components. When planning to disassemble equipment, the equipment should be inspected prior to disassembly to determine the condition of the fasteners and components.

If the fasteners and components are heavily rusted, then it is suggested that a quality, penetrating oil be applied to these items. The penetrating oil should be applied 12 to 24 hours prior to disassembly and may require more than one application. This will allow the penetrating oil to work at loosening the joined parts and greatly reduce the chances of damaging or destroying these items while reducing unplanned work.



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General Management Topics



What do you do if you get a bad boss?

First remember, 'bad boss' is a perception and all perceptions are relative and subjective. A 'bad boss' just means that the chemistry between you and your boss isn't working, and it may be working perfectly with someone else.

Secondly, tell yourself, "I know what it feels like to work for a bad boss," and resolve to be a good boss when you become a boss. Don't do to others what you don't want to be done to you. Take this as your training ground to build your 'What not to do' qualities of a professional. Every professional who has hit the top, at some point of his career would have served an 'Oh no' boss.

In fact, 'bad' is the best training ground for the 'good'. Failures teach you some of the best lessons in life, which success cannot. The obstacles you overcome develop strength of character. Tough times mould the personality of a man. The cross became the symbol of Christianity and the Kurukshetra gave the world the Bhagawad Gita. Compressed coal becomes diamond. Bad always brings along good. A bad boss can be the context for you to become an outstanding professional.

