

Details:

98Oils Products : RAMUDO W144

Applications : Forging

Customer /Location : Y Forging (M) SDN BHD

Previous Lube/Fluid: Lubcaster B5110

Materials : SIOC, S45C, S55S1, S48C

Process/Machines : Hot Forging (Press 1600 Ton)

Customer Requirements

Issue/Problems (Using Lubcaster B5110)

- Die life
- Material cost

Solutions :

- 1) Change forging oil(RAMUDO)

Summary :

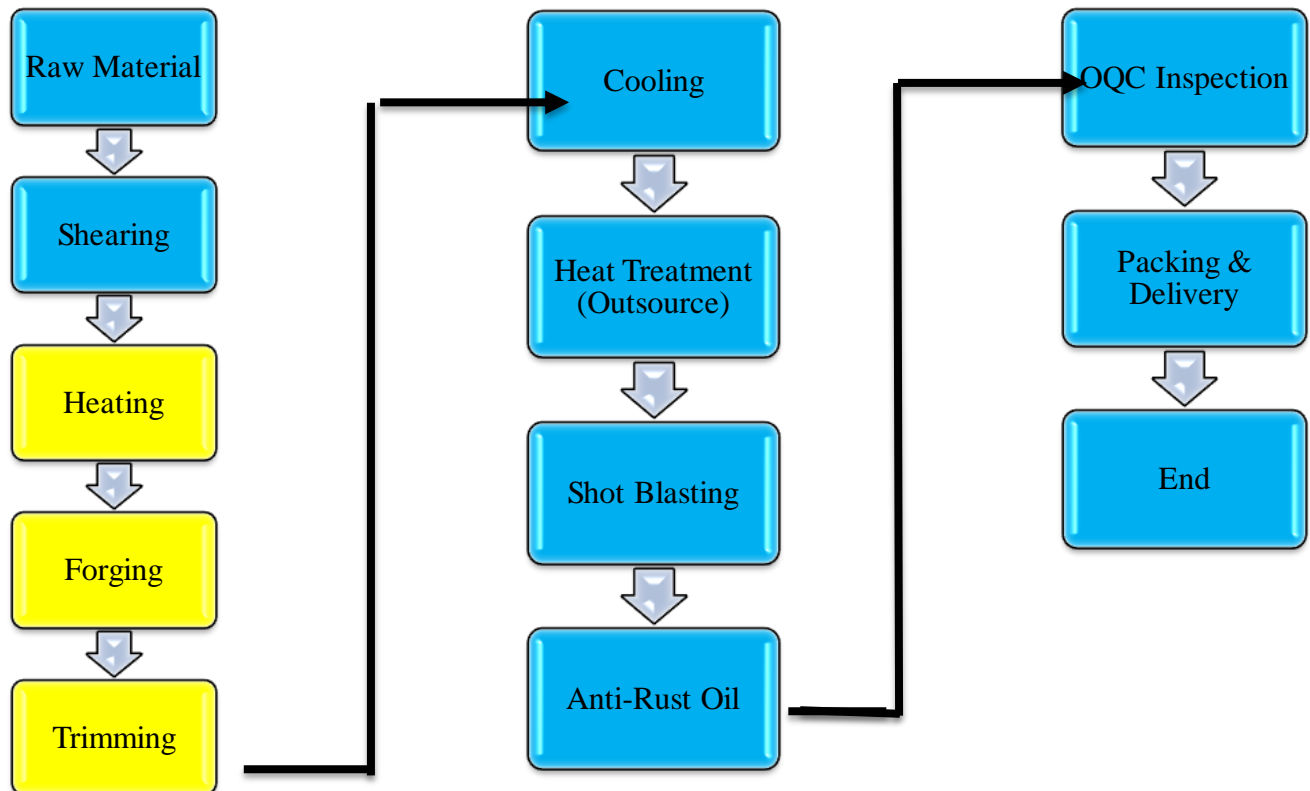
- Outcome
Increase of die life span
- Benefits
Reduce of material cost.(RAMUDO)

PRESS 1600 Ton

Hot Forging



Proses Flow Chart



Products for automobile

BOSS CLUTCH



SPINDLE



BOLT YOKE



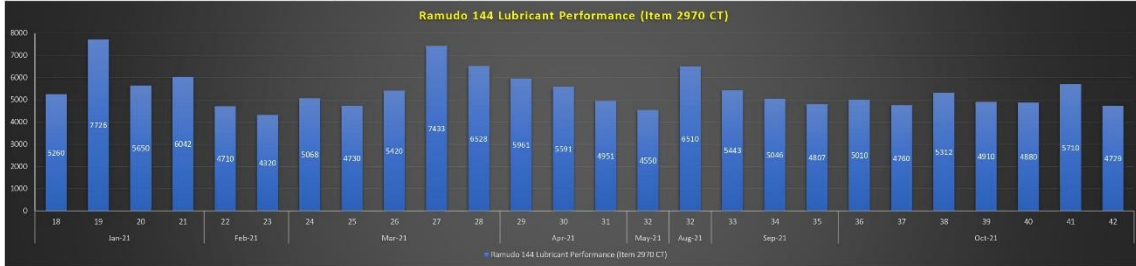
FLANGE COMPANION



Chart

Ramudo 144 Lubricant Performance (Item 2970 CT)

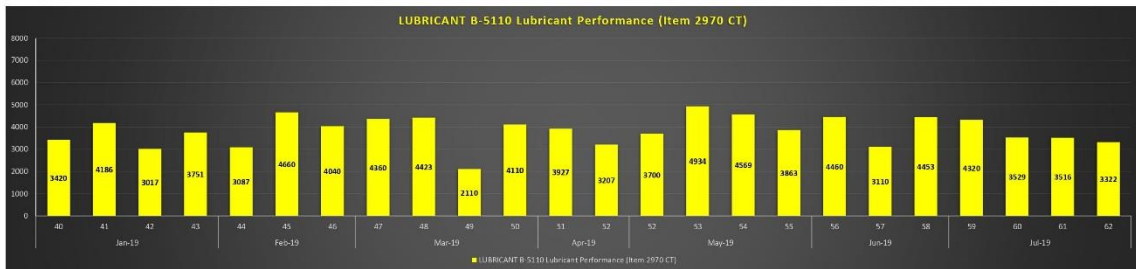
| Month | Jan-21 | | | | Feb-21 | | | | Mar-21 | | | | Apr-21 | | | | May-21 | | Aug-21 | | | | Sep-21 | | | | Oct-21 | | | |
|--------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|--------|------|------|------|--------|------|------|------|--------|--|--|--|
| Lot no | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | | | | |
| Qty | 5280 | 7728 | 5650 | 6042 | 4710 | 4320 | 5068 | 4730 | 5420 | 7433 | 6528 | 5961 | 5591 | 4951 | 4550 | 6510 | 5443 | 5046 | 4807 | 5010 | 4760 | 5312 | 4910 | 4880 | 5710 | 4729 | | | | |



Average = 5642 pcs for each lot no.

LUBRICANT B-5110 Lubricant Performance (Item 2970 CT)

| Month | Jan-19 | | | | Feb-19 | | | | Mar-19 | | | | Apr-19 | | | | May-19 | | | | Jun-19 | | Jul-19 | | | |
|--------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|--------|------|--|--|
| Lot no | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | | | |
| Qty | 3420 | 4186 | 3017 | 3751 | 3087 | 4660 | 4040 | 4360 | 4423 | 2110 | 4110 | 3927 | 3207 | 3700 | 4934 | 4569 | 3863 | 4460 | 3110 | 4453 | 4320 | 3529 | 3516 | 3322 | | |



Average = 4003 pcs for each lot no.