



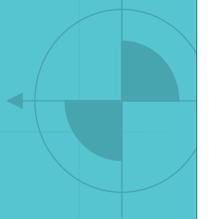
AN ISO 9001:2008 COMPANY



**ADROIT  
ENGINEERS**

# Oil pump solutions!<sup>TM\*</sup>

DESIGN | MANUFACTURE | EXPORT





**ADROIT  
ENGINEERS**



AN ISO 9001:2008 COMPANY

# Oil pump solutions!<sup>TM\*</sup>

We make - Engine Lubricating Oil Pump | Transmission Lubrication Pump | Low Pressure Fuel Pump

DESIGN | MANUFACTURE | EXPORT

## Welcome to...!!

### **ADROIT ENGINEERS**

Since its inception in 1983, **ADROIT ENGINEERS** has been a pioneer in Designing and Manufacturing of Lubricating Oil Pumps. **ADROIT ENGINEERS** is the leading Manufacturer of Plunger Pump, Gear Pump, GE rotor Pump, Fuel Pump and Crescent Pump required for engine lubrication and transmission lubrication.

We rely on a strong Quality Management System to ensure that the product quality is being continually monitored and improved upon.

We fully leverage the very competitive manufacturing environment in Kolhapur to create quality products that meet every customer expectation including quality and price.

These aspects coupled with our state-of-the-art manufacturing set-up explain the high level of customer satisfaction in all over market.

The strength of our organization comes from a uni-field philosophy based on long-term market satisfaction and expansion. We are able to lower the average production cost and supply competitively priced products. Our QC department supervise the manufacturing process to ensure timely and quality production. This system enable us to win the trust and long-term business from our valuable customers and ensure our success in the this competitive world market

Our products are manufactured with the state-of-art technologies, machineries and using high quality materials.

## OUR QUALITY POLICY

We are committed to supply 'Lubricating Oil Pumps' as per customers' specification, at competitive price and build confidence in customers' mind about our product quality by continually improving the effectiveness of our quality management system.

Directed Efforts towards The Best Quality..!



AN ISO 9001:2008 COMPANY

We are specialized in studying the conventional pumps of the OEM's and providing them cost effective alternatives with sintered gears and rotors. We have successfully designed and developed oil pumps with sintered gears (replacing conventional steel gears which require gear shaving) for M/s Kirloskar oil engines Ltd and M/s International tractors Ltd.



# come to us for

Creativity | Knowledge | Reliability

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Successfully designed and developed an oil pump for Tata Motors.  
(End use 'Brahmos missile' carrier transmission used in Indian Defense)

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Redesigned and developed a pump for Kirloskar Oil Engines Ltd. which gave better performance than their earlier design.

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Redesigned and developed a pump for International Tractors Ltd. which gave better performance than their earlier design.

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Developed a pump by Reverse Engineering for a German OEM engine manufacturer.

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Not even a single field failure at any customer during last 15 years.

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Successfully developed a critical crescent pump for Escorts Ltd.

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**KIRLOSKAR OIL ENGINES LTD**



Ref. : RE / DGG / 211 / 0356  
Date : 3 / 3 / 1998

To,

M/s. Adroit Engineering Works  
Near Kerala Transport  
1477, Pune Bangalore Road, Shirol  
Kolhapur - 416122

Attention: Mr. A.B. Patil

Subject: Proto lub oil pump testing

We have received your lub oil pump with sintered gears. We have tested this pump on our RV3 engine. Test report is as follows

- 1. Lub oil pump with sintered gears : 38.224.10.0.00
- 2. Tested on engine : RV3 (TMA)
- 3. Engine No. : 1/872
- 4. Total tested hrs. : 500 hrs.
- 5. Lub oil pressure : 3.8 to 4.2 kg/cm<sup>2</sup> through out test

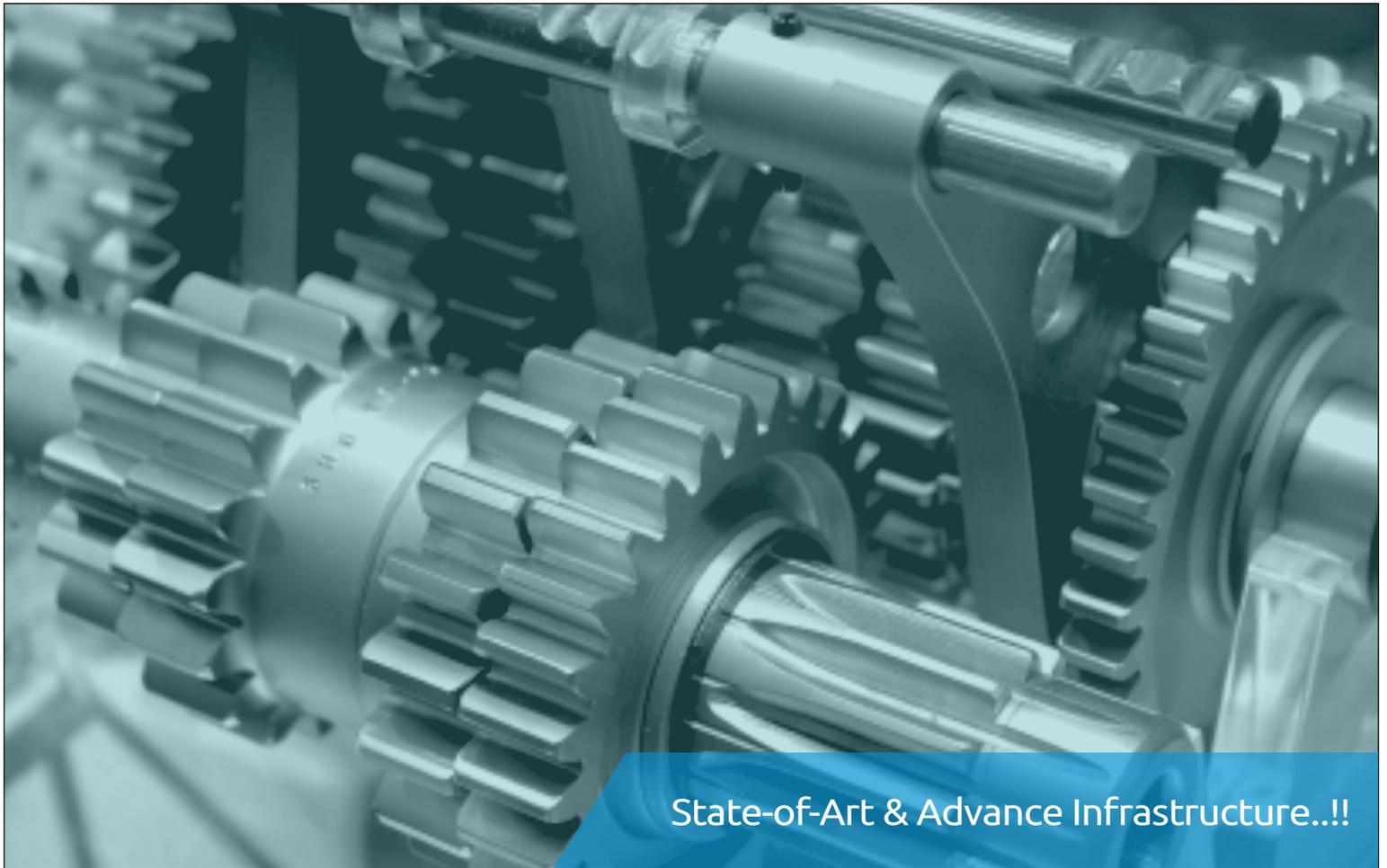
After 500 hrs. running of engine lub oil pump is dismantled and visually inspected

Condition of gears found acceptable

Regards

M.K.Kulkarni  
Sr. General Manager.

Technische Freigabe		Freigabem./ No of TR	
Technical Release		005/11	
Verteiler:	Einkauf	Produktion	Montage
	Serienprüfstand	Qualitätssicherung	Vertrieb
			Versuch
Copy: Purchase/Production/Assembly/Test rigs/Quality dept./Sales dept./Development dept.			
Teilebezeichnung/Name of part:		Serien-Nr/Part no.:	Versuchs-Nr/Test no.:
Lube oil pump/Ölpumpe		724.034.6	
Baugruppe/Assy group:		Index: -	
Grund der Techn.-Serienfreigabe/Reason for TR: Erstmuster/proto sample			
Änderungs-Mitteilung Nr/ Notification of change no.:			
Zeichnungsteil	Zulieferteil	Katalogteil	Normteil
		Rohteil	Fertigteil
Teilverwendung-Motortyp/Used for engine series:			
15W	15B	15D	18B
		18D	18W
		41A/E	43E
		43F	43W
Lieferant/Supplier Greaves Cotton Ltd.		Prüfung bis/Must be tested until:	
Muster geliefert/date of delivery: June 2010		Lieferschein-Nr/delivery note:	
Musterprüfung beantragt am: July 2010		Muster-Stückzahl/No of samles: 2	
Qualitätssicherung/Quality dept: Prüfen nach Zeichnungsvorgaben/Check acc. drawings			
Prüfungsbefund (Meßprotokoll im Anhang)/Report ( controlled measures see encl.)			
Acc. to drawing			
Freigegeben am/Released on:		31st January 2011	Name: Schoenbeck
Nicht freigegeben am/Not released on:			Name:
Begründung/Reason:			
Versuch: Funktionsprüfung/Engine test dept.:function test			
Prüfungsbefund/Result:			
Endurance run with 18B for 500 h :			
Oil pressure vs speed/temperature is identical to existing part			
Freigegeben am/Released on:		31st January 2011	Name: Schoenbeck
Nicht freigegeben am/Not released on:			Name:
Begründung/Reason:			
Band-, Vor- bzw. Nachmontage, Prüffeld: Montageprüfung/Production line area assy test:			
Prüfungsbefund/Result:			
Handling test on assembly line : perfect			
Freigegeben am/Released on:		31st January 2011	Name: Schoenbeck
Nicht freigegeben am/Not released on:			Name:
Begründung/Reason:			
Part is released for series production !			
Laut obigen Einzelfreigaben wird das Teil für die Serienverwendung freigegeben!			
Freigabedatum/Date: 31 January 2011		Unterschrift/Sign: A. Schoenbeck	



State-of-Art & Advance Infrastructure..!!

## FACILITIES AVAILABLE:

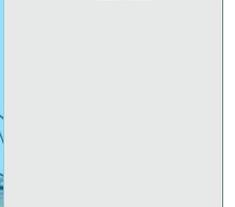
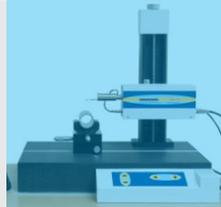
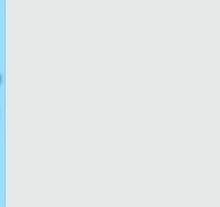
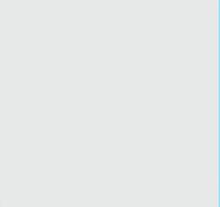
We have all manufacturing facilities required for producing oil pumps like machining, drilling, OD & surface grinding, CNC & VMC machining. In process gauging has been implemented for achieving better process capabilities. We have developed SPM component cleaning machine for achieving better Millipore values. Our entire factory floor is epoxy coated to ensure dust free work place.

## INSPECTION FACILITIES:

All inspection facilities like Millipore testing, surface roughness testing, discharge and pressure testing and Digital height gauge are available with us. All type of micrometers, verniers, bore dial gauges are available with us. We have developed standard room for all critical inspection and testing of oil pump components



State-of-Art & Advance Infrastructure..!!



## TESTING FACILITIES:

We have developed 'Performance Testing Machines' for all type of pumps that we manufacture. All pumps produced in our company are tested for their performance. Each pump carries a unique pump number. The performance testing report of each pump being supplied is sent to the customer. Pressure, discharge and RPM testing facilities are also available with us.

Millipore Testing

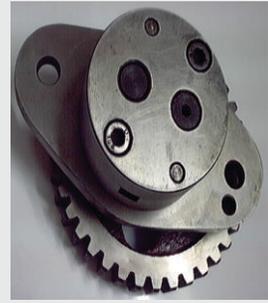




RA2 Gear Pump Assembly



RA2 Gear Pump Assembly



AV1 Gear Pump Assembly



KAMCO  
sintered 'GE' Rotor Pump



KAMCO  
sintered 'GE' Rotor Pump



WML Sintered GE rotor Pump



'GE' Rotor



ITL Gear Pump



ITL Gear Pump



CEL GE Rotor Pump



TC Crescent Gear Pump  
(Used in Brahmos missile carrier transmission)



TC Crescent Gear Pump  
(Used in Brahmos missile carrier transmission)



Our Products..at a Glance..!!



Caudwell Marine SS Pump



Caudwell Marine SS Pump



ARROW GE Rotor Pump



ARROW GE Rotor Pump



ECEL Crescent Gear Pump for transmission lubrication



Futura Gear Pump



## Our Achievements...!!

- ISO 9001:2008 certified.
- Winner of 'Supplier quality contest' for the year 2010 -11 held at Kirloskar Oil Engines Ltd.
- Mr I.A.Patil has been awarded 'Six Sigma Green Belt' with overall score of 94% in Jan 11.



Tata Motors Ltd.

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Arrow Engines, USA.

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Wisconsin Motors LLC, USA.

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Kirloskar Oil Engines Ltd.

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Swaraj Engines Ltd.

Caudwell Marine (Pty) Ltd. South Africa

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Escorts Construction Equipment Ltd.

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Continental Engines Ltd., Gurgaon

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Greaves Cotton Ltd., Aurangabad.

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KAMCO



Our Esteemed Customers..!!



# Oil pump solutions.!

TM\*

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## **ADROIT ENGINEERS**

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