

## HP GEAR OIL EP 80W , 90,140

HP GEAR OIL EP ARE MULTIPURPOSE GEAR OILS CONTAINING EXTREME PRESSURE ADDITIVES FOR MODERATE SERVICE CONDITIONS

MEETS API GL-4, MIL-L-2105 C & EP TYPE GL-4 LEVEL OF IS:1118 SPECIFICATIONS

APPLICATION AREAS ARE MANUAL TRANSMISSIONS OF AUTOMOBILES REQUIRING THIS TYPE OF EXTREME PRESSURE OILS

- EXCELLENT THERMAL & CHEMICAL STABILITY
- PROTECTION AGAINST RUST AND CORROSION
- ENSURING LONGER TROUBLE FREE PROTECTION

	80W	90	140
KINEMATIC VISCOSITY cst @ 100 C	10.5-12.5	16.5 -18	28-33
VISCOSITY INDEX,MIN	90	90	90
FLASH POINT, (COC) C,MIN	165	180	190
POUR POINT, C , MAX	-27	-9	-3
CORROSION COPPER STRIP			
AT 121 C FOR 3 HRS MAX.	2	2	2
CHANNEL POINT MAX	-35	-18	-7

Recommended for :

M/s VOLTAS LTD.

M/s Ashok Leyland

M/s BEML

M/s HMT ,

M/s PUNJAB TRACTORS

M/s HINDUSTAN MOTORS

M/s Tata Motors Ltd

M/s EICHER Tractors Ltd

M/s ECEL

M/s Force Motors Ltd

## HP GEAR DRIVE EP 90

- HP GEAR Drive IS MULTIPURPOSE GEAR OIL CONTAINING EXTREME PRESSURE ADDITIVES FOR MODERATE SERVICE CONDITION
- MEETS API GL -4 , MIL - L - 2105 & EP TYPE GL - 4 LEVEL OF IS 1118
- APPLICATION AREAS ARE MANUAL TRANSMISSIONS OF AUTOMOBILES REQUIRING THIS TYPE OF EXTREME PRESSURE OILS
  - EXCELLENT THERMAL & CHEMICAL STABILITY
  - PROTECTION AGAINST RUST & CORROSION ENSURING LONGER TROUBLE FREE PROTECTION

KINEMATIC VISCOSITY, CST. @ 100°C	16.5 -17.3
VISCOSITY INDEX, MIN	90
FLASH POINT, (COC), °C, MIN	180
POUR POINT, °C, MAX	- 9
CORROSION COPPER STRIP AT 121 °C, FOR 3 HOURS , MAX	2
CHANNEL POINT	-18

## HP GEAR OIL EP 80W – 90

- HP GEAR OIL EP 80W – 90 IS MULTIGRADE GEAR OIL CONTAINING EXTREME PRESSURE ADDITIVES FOR MODERATE CONDITION SERVICE
- MEETS API GL –4 , MIL – L – 2105 AND EP TYPE GL – 4 LEVEL OF IS 1118
- APPLICATION AREAS ARE SYNCHROMESH TRANSMISSIONS AND MANUAL TRANSMISSIONS OF AUTOMOBILES
  - EXCELLENT THERMAL & CHEMICAL STABILITY
  - PROTECTION AGAINST RUST & CORROSION ENSURING LONGER TROUBLE FREE PROTECTION

KINEMATIC VISCOSITY, CST. @ 100°C	13.5 -24.0
VISCOSITY INDEX, MIN	90
FLASH POINT, (COC), °C, MIN	165
POUR POINT, °C, MAX	- 21

Approved by  
M/s Mahindra & Mahindra Ltd

## HP GEAR OIL EP 75W - 90

- HP GEAR OIL EP 75W – 90 IS fully SYNTHETIC GEAR OIL CONTAINING EXTREME PRESSURE ADDITIVES FOR severe CONDITION SERVICE
- MEETS API GL – 5
- APPLICATION AREAS ARE ALL GEAR BOXES WHEREA VISCOMETRIX OF 75W – 90 IS RECOMMENDED for extended drain intervals
  - EXCELLENT FUEL ECONOMY
  - ENHANCED LOW TEMPERATURE PROPERTIES
  - GOOD PERFORMANCE EVEN UNDER EXTREME PRESSURE & VARYING LOAD CONDITIONS
  - LONG DRAIN INTERVALS

KINEMATIC VISCOSITY, CST. @ 100°C	13.5 -24.0
VISCOSITY INDEX, MIN	170
FLASH POINT, (COC), °C, Min	180
POUR POINT, °C, Max	- 42

Approved By :

Tata Motors Ltd

## HP GEAR OIL XP 80W,90, 140

- HP GEAR OIL XP ARE MULTIPURPOSE GEAR OILS CONTAINING EXTREME PRESSURE ADDITIVES FOR MODERATE AS WELL AS SEVERE CONDITION SERVICE
- MEETS API GL – 5 ,MIL – L 2105 B, EP TYPE GL – 5 LEVEL OF IS : 1118
- APPLICATION AREAS ARE HYPOID DIFFERENTIAL & DRIVE AXLES AND MANUAL TRANSMISSIONS OF AUTOMOBILES
  - EXCELLENT THERMAL & CHEMICAL STABILITY
  - PROTECTION AGAINST RUST & CORROSION ENSURING LONGER TROUBLE FREE PROTECTION
  - GOOD PERFORMANCE EVEN UNDER EXTREME PRESSURE & VARYING LOAD CONDITIONS

	80W	90	140
KINEMATIC VISCOSITY, CST. @ 40 °C	120	200	480
KINEMATIC VISCOSITY, CST. @ 100 °C	10.5 – 12.5	17- 18	28 – 33
VISCOSITY INDEX, MIN	90	90	90
FLASH POINT, (COC), °C, MIN	165	180	190
POUR POINT, °C, MAX	-24	-9	-3
CORROSION, COPPER STRIP, AT 121 °C FOR 3 HOURS , MAX	3	3	3

Recommended for :

M/S BEML  
M/S SWARAJ MAZDA  
M/S MaRUTI UDYOG  
M/S HINDUSTAN MOTORs  
M/s Mahindra & Mahindra Ltd

## HP GEAR OIL XP 85W 140

- HP GEAR OIL XP 85W 140 IS MULTIGRADE OIL CONTAINING EXTREME PRESSURE ADDITIVES FOR HEAVY DUTY SERVICE.
- MEETS API GL – 5, MIL – L 2105 D AND EP TYPE GL – 5 LEVEL OF IS : 1118 SPECIFICATIONS
- RECOMMENDED FOR HYPOID DIFFERENTIAL, REAR AXLE & FINAL DRIVES.
  - EXCELLENT THERMAL & CHEMICAL STABILITY
  - FUEL ECONOMY
  - GOOD PERFORMANCE EVEN UNDER VARYING LOADS

KINEMATIC VISCOSITY, CST. @ 100 °C	28 - 33
VISCOSITY INDEX, MIN	90
FLASH POINT, (COC), °C, MIN	180
POUR POINT, °C, MAX	-12
CORROSION, COPPER STRIP, AT 121 °C FOR 3 HOURS , MAX	3
CHANNEL POINT DEG C	-20

Approved by :

M/s Tata Motors Ltd

## HP GEAR OIL XP 80W-90

- HP GEAR OIL XP 80W - 90 IS MULTIPURPOSE GEAR OIL CONTAINING EXTREME PRESSURE ADDITIVES FOR MODERATE AS WELL AS SEVERE CONDITIONS SERVICE.
- MEETS API GL – 5 MIL – L 2105 D AND
- EP Type GL – 5 LEVEL OF IS: 1118 : 1992 SPECIFICATIONS
- APPLICATION AREAS ARE HYPOID DIFFERENTIAL & DRIVE AXLES AND MANUAL TRANSMISSIONS OF AUTOMOBILES.
  - EXCELLENT THERMAL & CHEMICAL STABILITY
  - PROTECTION AGAINST RUST & CORROSION ENSURING LONGER TROUBLE FREE PROTECTION
  - GOOD PERFORMANCE EVEN UNDER EXTREME PRESSURE & VARYING LOAD CONDITIONS

KINEMATIC VISCOSITY, cSt. @ 100 °C	14 - 16
VISCOSITY INDEX, MIN	90
FLASH POINT, (COC), °C, MIN	165
POUR POINT, °C, MAX	-21
CORROSION, COPPER STRIP, AT 121 °C FOR 3 HOURS , MAX	3

### Recommended for

- M/s ESCORTS
- M/s BEML
- M/s Tata Motors Ltd

## HPAUTOMATIC TRANSMISSION FLUID

- HP AUTOMATIC TRANSMISSION FLUID IS RED COLOURED PREMIUM QUALITY TRANSMISSION OIL.
- RECOMMENDED FOR USE IN AUTOMOTIC TRANSMISSION SYNCHROMESH GEAR BOXES OF AUTOMOBILES AND TRUCKS RECOMMENDING GM TYPE A SUFFIX A FLUID.
- MEETS GM TYPE A SUFFIX A & TYPE C – 3 OF DETROIT DIESEL ALLISON
  - THERMAL & OXIDATION RESISTANCE
  - LOW TEMPERATURE FLUIDITY & FOAM CONTROL
  - SEAL COMPATIBILITY
  - CORROSION & ANTIWEAR PROPERTIES.

KINEMATIC VISCOSITY, CST. @ 100 °C	7
VISCOSITY INDEX, MIN	140
FLASH POINT, (COC), °C, MIN	175
POUR POINT, °C, MAX	-36
CORROSION, COPPER STRIP, AT 100 °C FOR 3 HOURS , MAX	1
COLOUR , VISUAL	RED

Recommended for :

M/S HINDUSTAN MOTORS  
M/S BEML  
M/S VOLTAS LTD  
M/S ASHOK LEYLAND  
M/S BROG WARNER,GERMANY



## HP Auto Transmission Fluid DEX II

- HP ATF DEX II IS A PREMIUM QUALITY RED COLOURED AUTOMATIC TRANSMISSION FLUID HAVING LOW STATIC FRICTION PROPERTIES.
- RECOMMENDED FOR USE IN AUTOMATIC TRANSMISSIONS & POWER STEERING UNITS OF AUTOMOBILES AND OTHER LCV'S REQUIRING DEXRON II FLUIDS
- MEETS SPECIFICATION OF DEXRON IID OF GENERAL MOTORS, USA.
  - BETTER OXIDATION STABILITY
  - LOW TEMPERATURE VISCOSITY
  - LONGER LIFE
  - SEAL COMPATIBILITY

KINEMATIC VISCOSITY, CST. @ 100 °C	5.5
FLASH POINT, (COC), °C, MIN	160
FIRE POINT, °C MIN	175
ASH, SULPHATED, % WT, MAX	0.08
COLOUR, VISUAL	RED
FOAMING CHARACTERISTIC , TENDENCY /STABILITY, MAX	
@ 95°C	NO FOAM
@ 135°C	
FOAMING HEIGHT, ML	10
COLLAPSE TIME, SECS	23

APPROVED BY  
M/s ZF Steering gear  
M/s Rane Power Steering  
M/s Tata Motors Ltd  
M/s Mahindra & Mahindra Ltd

## HP SUPERTRAN

- HP SUPERTRAN IS A UNIVERSAL TRACTOR TRANSMISSION OIL
- MEETS NEW HOLLAND FORD : M2C 86/ B/ C, M2 C 134 C/D  
JOHN DEERE : J20 D
- MASSEY FERGUSON : M35, MS 1204.CMS M-113 (M-1135)
- APIGL – 4 (LOW SPEED HIGH TORQUE)

RECOMMENDED FOR USE IN NEW GENERATION TRACTORS AS MULTIPURPOSE OIL FOR TRANSMISSION, HYDRAULIC DIFFERENTIAL, WER – CLUTCHES & BRAKES. ALSO RECOMMENDED FOR USE IN EARTH MOVING & CONSTRUCTION EQUIPMENTS AS AXLE OIL

- A VERY HIGH LEVEL OF ANTISQUAK PERFORMANCE FOR NOISE FREE WET BRAKE OPERATION
- BALANCED FRICTIONAL PROPERTIES FOR POWER TAKE OFF CLUTCHES AND POWERSHIFT TRANSMISSIONS
- STRONG DRIVELINE PROTECTION FOR MAXIMUM TRANSMISSION LIFE
- A HIGH LEVEL OF CORROSION AND RUST INHIBITION AND WATER TOLERANCE

KINEMATIC VISCOSITY, CST. @ 100°C	10-11.5
VISCOSITY INDEX, Typ	125
FLASH POINT, (COC), °C, MIN	200
POUR POINT, °C, MAX	-25
CORROSION, COPPER STRIP @ 150°C , 3HRS, TYP	1A

Approved by

M/s Punjab Tractors Ltd

## HP POWERGLIDE C410 / C430

HP POWERGLIDE C 410 & C430 ARE ALLISON C – 4 SERVICE CLASSIFICATION TRANSMISSION OILS.

RECOMMENDED FOR ALL COMMERCIAL POWERSHIFT TRANSMISSIONS . INDUSTRIAL TORQUE CONVERTERS & AUTOMATIC TRANSMISSION REQUIRING ALLISION C – 4 OILS

- GOOD HIGH TEMPERATURE PROPERTIES
- SEVERE OXIDATION CONTROL PROPERTIES

	410	430
KINEMATIC VISCOSITY,CST. @ 100°C	4.1 MIN	9.3 – 12.5
VISCOSITY INDEX, MIN	100	95
FLASH POINT, (COC), °C, MIN	160	160
POUR POINT, °C, MAX	- 21	-21
ASH, SULPHATED, % WT, MAX	1.26	1.26
ACIDITY TOTAL, MG KOH/ GM	2.1	2.1
CORROSION, COPPER STRIP, AT 100 °C FOR 3 HOURS , MAX	1	1
TOTAL BASE NUMBER, mg KOH/GM, MIN	7.9	7.9
RUST TEST, 24 HRS WITH SYNTHETIC SEA WATER	PASS	PASS

Recommended for

M/S BEML  
M/S ALLISON TRANSMISSION

## HP POWERFLUID LTP 100

HP POWERFLUID LTP 100 IS A PREMIUM QUALITY ANTI WEAR TYPE HYDRAULIC OIL WITH VERY HIGH SHEAR STABILITY. SPECIALLY DEVELOPED FOR USE IN L & T EARTHMOVING EQUIPMENTS.

RECOMMENDED FOR ALL MODERN HYDRAULIC SYSTEMS USED IN EARTH MOVING EQUIPMENTS. ALSO RECOMMENDED FOR LOW OPERATING TEMPERATURE CONDITIONS

MEETS INDEX F REQUIREMENT PART NO Z00032-42 OF L&T

- VERY HIGH VISCOSITY INDEX
- VERY LOW POUR POINT

KINEMATIC VISCOSITY, CST.	
@ 40 °C	100 – 115
@ 100°C	13.5
VISCOSITY INDEX , MIN	135
FLASH POINT, (COC), °C, MIN	200
POUR POINT, °C, MAX	-24
CORROSION, COPPER STRIP, AT 100 °C FOR 3 HOURS , MAX	1
ANILINE POINT, °C	117

Recommended for

L & T Earth Moving equipment

## HP POWERFLUID TH 46

HP POWERFLUID TH 46 IS A PREMIUM QUALITY ANTI WEAR TYPE HYDRAULIC OIL WITH VERY HIGH SHEAR STABILITY. SPECIALLY DEVELOPED FOR USE IN TATA HITACHI EXCAVATORS

RECOMMENDED FOR ALL MODERN HYDRAULIC SYSTEMS USED IN EARTH MOVING EQUIPMENTS. ALSO RECOMMENDED FOR LOW OPERATING TEMPERATURE CONDITIONS

- VERY HIGH VISCOSITY INDEX
- VERY LOW POUR POINT

KINEMATIC VISCOSITY, CST.	
@ 40 °C	42 – 50
@ 100°C	7.4
VISCOSITY INDEX , MIN	135
FLASH POINT, (COC), °C, MIN	200
POUR POINT, °C, MAX	-24
CORROSION, COPPER STRIP, AT 100 °C FOR 3 HOURS , MAX	1
ANILINE POINT, °C	117

Recommended for

M/s BEML

M/s Allison Transmission