

HP AUTOLUBE 30,40

HP AUTOLUBE 30,40 ARE SPECIALLY DEVELOPED ENGINE LUBRICANT CUM RUNNING IN OILS CONTAINING ADDITIONAL CORROSION PROTECION

RECOMMENDED FOR ALL ENGINES AS RUNNING OIL, PRESERVATIVE & FIRST FILL OILS

- PROVIDES PROPER RUNNING-IN OF ENGINE
- PROTECTS ENGINE COMPONENTS AGAINST RUST AND CORROSIO
- CONTAINS REQUIRED DETERGENCY & DISPERSANCY
- MEETS MIL-L-2104 B SPECIFICATIONS WITH ADDITIONAL CORROSION PROTECTION

	30	40
KINEMATIC VISCOSITY cst @ 100C	9.6-12.4	14-16
VISCOSITY INDEX,MIN	90	90
FLASH POINT, (COC) C,MIN	210	210
POUR POINT, C , MAX	0	0
SULPHATED ASH,%WT,MAX	1.2	1.2
TBN ,mgKOH/g,MIN	7.5	7.5
CORROSION Cu STRIP @ 100 C FOR 3Hrs , MAX	1	1
DB CORROSION TEST		
CORROSION RESISTANCE NUMBER,MIN	90	90
STAINING/DISCOLOURATION,MAX	NONE	NONE

APPROVED BY :
M/s Force Motors Ltd
M/s GUJRAT FORGINGS

HP AUTOPRUN T 120

HP AUTOPRUN T120 IS A SPECIALLY DEVELOPED TRIPLE ACTION OIL FOR USE IN PETROL AND DIESEL ENGINES DURING RUNNING IN OPERATION, TRANSPORTATION, STORAGE AND DURING NORMAL RUNNING

RECOMMENDED FOR ALL ENGINES AS RUNNING IN OIL, PRESERVATIVE & FIRST FILL OILS

- PROVIDES PROPER RUNNING –IN
- PROTECTS ENGINES COMPONENTS AGAINST RUST AND CORROSION DURING TRANSPORTATION OR LONG STORAGE EVEN UNDER ADVERSE CONDITIONS SUCH AS DURING SEA VOYAGE
- CONTAINS REQUIRED DETERGENCY & DISPERSANCY
- MEETS MIL-L-2104 A WITH ADDITIONAL CORROSION PROTECTION

KINEMATIC VISCOSITY cst @ 40C	108-120
KINEMATIC VISCOSITY cst @ 100C	9.6-12.4
VISCOSITY INDEX,MIN	90
FLASH POINT, (COC) C,MIN	210
POUR POINT, C , MAX	0
SULPHATED ASH,%WT,MAX	2.6
TBN ,mgKOH/g,MIN	16
DB CORROSION TEST	
CORROSION RESISTANCE NUMBER, MIN	90
STAINING DISCOLOURATION, MAX	NONE

APPROVED BY:
M/s GUJRAT FORGINGS
M/s Hindustan Motors

HYLUBE HDX MULTIGRADE 20W40

HYLUBE HDX MG 20 W 40 & 20W 50 ARE MULTIGRADE ENGINE OILS

MEETS API CC/SC , E-PL 1/ E-DL 1 OF BIS 13656:1993 AND MIL L 2104 B SPECIFICATION

RECOMMENDED FOR USE IN ALL TYPES OF DIESEL & PETROL ENGINES. This product is used as initial fill at OEMs

- **EXCELLENT ENGINE PROTECTION UNDER HIGH TEMPERATURES**
- **GOOD ENGINE START UP UNDER COLD CONDITIONS**
- **BETTER ALL-ROUND PERFORMANCE**

PROPERTIES	HYLUBE HDX MULTIGRADE 20 W 40	HYLUBE HDX MULTIGRADE 20 W 50
KINEMATIC VISCOSITY c St @ 40 DEG C	120	140
KINEMATIC VISCOSITY cSt @ 100 DEG C	14-16	17-19
VISCOSITY INDEX,MIN	110	110
FLASH POINT, (COC) C,MIN	200	200
POUR POINT, C , MAX	-21	-21
SULPHATED ASH,%WT,MAX	0.74	0.77
TBN ,mgKOH/g,MIN	4.05	4.05
COLOUR	RED	RED

HP LAAL GHODA 20W 40

HP LAAL GHODA 20W 40 IS A MULTIGRADE DIESEL ENGINE OIL, ECONOMY RANGE DIESEL ENGINE OIL

MEETS API CF , US MILITARY MIL-L-2104B, IS:13656:1993 SPECIFICATION

RECOMMENDED FOR USE IN ALL TYPES OF DIESEL ENGINES IN TRUCK , BUS , MUV, TAXI,TRACTOR , PUMPSET & DG SETS

- ALL ROUND PERFORMANCE
- ENGINE CLEANLINESS
- EFFICIENT LUBRICATION

KINEMATIC VISCOSITY cSt @40 deg C	130
KINEMATIC VISCOSITY cSt @100 deg C	13.5-16
VISCOSITY INDEX,MIN	110
FLASH POINT, (COC) C,MIN	200
POUR POINT, C , MAX	-21
SULPHATED ASH,%WT,MAX	0.68
TBN ,mgKOH/g,MIN	4.1
COLOUR	RED

HYLUBE X3 10W , 30,40,50

HYLUBE X3 10W 30,40,50 ARE MONOGRADE ENGINE OIL FOR SEVERE DUTY DIESEL ENGINE SERVICES

MEET API CF , US MILITARY MIL-L-45199B,E-DL2 OF IS:13656 SPECIFICATION

RECOMMENDED FOR USE IN ALLTYPES OF DIESEL ENGINES INCLUDING EARTH MOVING & CONSTRUCTION EQUIPMENTS .

X3 10W GRADE CAN ALSO BE USED AS A HYDRAULIC FLUID .

X3 40 GRADE HAS BEEN SPECIALLY DESIGNED FOR ENGINES OPERATING ON FUELS HAVING HIGHER SULPHUR CONTENT.

- **EXCELLENT THERMAL & OXIDATION STABILITY**
- **EXCELLENT PERFORMANCE UNDER SEVERE CONDITIONS.**

	10W	30	40	50
KINEMATIC VISCOSITY cSt @ 40 deg C	38	125	125	260
KINEMATIC VISCOSITY cSt @ 100 deg C	5	10-12	13-15	17-20
VISCOSITY INDEX,MIN	100	95	90	90
FLASH POINT, (COC) C,MIN	190	215	215	220
POUR POINT, C , MAX	-27	-6	-6	-6
SULPHATED ASH,%WT,MAX	1.3	1.3	2.0	1.3
TBN ,mgKOH/g,MIN	9	9	13	9

HYLUBE MTU 40

HYLUBE MTU 40 IS ENGINE OIL FOR MTU ENGINES

MEETS API CF&ACEA E1-96

**APPROVED AGAINST MTU 5044 ENGINE OIL (TYPE-1) by
MTU, Germany.**

**SPECIALLY DEVELOPED FOR USE AS ENGINE OIL IN MTU
ENGINES**

- **EXCEPTIONAL THERMAL&OXIDATION STABILITY**
- **GOOD ELASTOMER COMPATIBILITY**
- **GOOD LOAD CARRYING CAPACITY**

KINEMATIC VISCOSITY cst @ 100C	14
VISCOSITY INDEX,MIN	95
FLASH POINT, (COC) C,(Typ)	200
POUR POINT, C , (Typ)	-6
SULPHATED ASH,%WT	1.0-1.3
TBN ,mgKOH/g,MIN	8

**APPROVED BY:
M/s MTU,GERMANY**

HYLUBE MILCY 30, 40, 50

HYLUBE MILCY 30,40,50 ARE SUPERIOR QUALITY, HEAVY DUTY DIESEL ENGINE LUBRICATING OILS

MEETS API CF + MACK T-8A, E-DL 3 OF BIS 13656:1993 AND MIL L 2104 C

RECOMMENDED FOR HEAVY COMMERCIAL VEHICLES, LIGHT COMMERCIAL VEHICLES,TRACTORS, DIESEL PASSENGER CARS AND JEEPS REQUIRING MONOGRADE OILS

- EXTENDED TBN RESERVES
- PREVENTS OIL THICKENING AND ENHANCES OIL LIFE
- CONTROL OF CORROSIVE WEAR
- EXCEPTIONAL THERMAL&OXIDATION STABILITY
- PROLONGED ENGINE LIFE & ENHANCED DRAIN PERIOD
- OUTSTANDING ENGINE CLEANLINESS

	30	40	50
KINEMATIC VISCOSITY cst @ 100C	10.3-11.5	13.5-15.2	17.5-24
VISCOSITY INDEX,MIN	95	95	95
FLASH POINT, (COC) C,MIN	215	215	220
POUR POINT, C , MAX	-6	-6	-6
SULPHATED ASH,%WT,MAX	1.6	1.6	1.6
TBN ,mgKOH/g,MIN	9.5	9.5	9.5

APPROVED BY:

M/s FUJI

M/s PUNJAB TRACTORS

HYLUBE EXTRA 20W 40

HYLUBE EXTRA 20W 40 IS A PREMIUM MULTIGRADE ENGINE OIL DESIGNED TO MEET THE DEMANDING LUBRICATION REQUIREMENTS OF ALL MODERN DIESEL ENGINES.

MEETS API CD/CF, MIL-L-2104C, E-DL 3/ OF IS:13656:1993 AND MACK T-7 ENGINE TEST REQUIREMENTS

RECOMMENDED FOR ALL DIESEL ENGINES.

- PREVENTS OIL THICKENING AND ENHANCES OIL LIFE
- CONTROL OF CORROSIVE WEAR
- EXCELLENT THERMAL & OXIDATION STABILITY
- PROLONGED ENGINE LIFE & ENHANCED DRAIN PERIOD

KINEMATIC VISCOSITY cst @ 40 DEG C	118
KINEMATIC VISCOSITY cst @ 100 DEG C	14-15
VISCOSITY INDEX,MIN	110
FLASH POINT, (COC) C,MIN	200
POUR POINT, C , MAX	-21
SULPHATED ASH,%WT,MAX	1.51
TBN ,mgKOH/g,MIN	10.4

Recommended for

M/s BEML

M/s Hindustan Motors

HP MILCY SUPER 20W40

Premium quality multi grade Diesel Engine Oil with enhanced soot handling capacity which keeps engine clean and reduces soot induced wear. Excellent oxidation control and thermal stability helps to keep the engine in healthier condition.

Exceeds API CF/, Meets MIL-L-2104C, Mack T-7/T-8A & EDL-3 of IS 13656 requirements

Diesel engines of heavy duty as well as light duty service of both Naturally Aspirated and Turbocharged Engines. Recommended for heavy & light commercial vehicles, tractors, jeeps and diesel cars.

- Excellent soot handling property keeps engine clean
- Good control over soot reduces engine wear
- High temperature stability reduces oxidative oil thickening
- High dispersancy controls oil thickening

Kinematic Viscosity,cSt	
@100°C	14-16
Viscosity Index, min	110
Flash Point (COC)°C, min	215
Pour Point°C,Max	-15
TBN,mg KOH/g min	9.5

HP HYLUBE LL 15 W 40

HEAVY DUTY MULTIPURPOSE OIL DESIGNED FOR NEW GENERATION HEAVY DUTY DIESEL ENGINES

MEETS SPECIFICATIONS API CF-4

THE OILS ARE SUITABLE FOR USE IN SUPER CHARGED AND TURBOCHARGED DIESEL ENGINES

PROPERTIES	HP HYLUBE LL 15 W 40
KINEMATIC VISCOSITY cst @ 100deg C	14-15.5
KINEMATIC VISCOSITY cst @ 40 deg C	116
VISCOSITY INDEX,MIN	120
POUR POINT, C , MAX	-21
SULPHATED ASH,%WT,MAX	1.56
TBN ,mgKOH/g,MIN	10.5

RECOMMENDED FOR USAGE AGAINST API CF-4 SPECIFICATION

HP MILCY POWER 15W40

HP MILCY POWER 15W-40 IS PREMIUM MULTIGRADE DIESEL ENGINE OIL.

HP MILCY POWER HAS BEEN ACREDITED WITH API CF-4 DONUT BY API. IT ALSO MEETS MB 228.1, CCMC D-4/G-4/PD-2, MIL-L-2104E & ALLISON C-4, E-DL 5 OF IS 13656, MAN 271

RECOMMENDED FOR ALL NATURALLY ASPIRATED AS WELL AS TURBOCHARGED DIESEL ENGINES IN COMMERCIAL VEHICLES, UTILITY VEHICLES , CARS & JEEPS, EARTH MOVING & CONSTRUCTION EQUIPMENT & DG SETS

- LONG DRAIN & PROLONGED ENGINE LIFE
- EXTENDED TBN QUALITY RESERVE
- REDUCED OIL CONSUMPTION
- EXCELLENT SOOT & SLUDGE CONTROL
- PROLONGED ENGINE LIFE

KINEMATIC VISCOSITY cSt @ 40 deg C	Report
KINEMATIC VISCOSITY cSt @ 100 deg C	14-15.2
VISCOSITY INDEX,MIN	120
FLASH POINT, (COC) C,MIN	190
POUR POINT, C , MAX	-21
SULPHATED ASH,%WT,MAX	1.53
TBN ,mgKOH/g,MIN	9

Approved by

M/s Tata Motors Ltd RDSO
M/s SIMPSON

Recommended for

M/s Lombardini Engines
M/s Piaggio Vehicles Pvt. Ltd
M/s Kirloskar Oil Engines Ltd

HP MILCY TURBO 15W40

Premium quality multi grade Diesel Engine Oil with enhanced soot handling capacity which keeps engine clean and reduces soot induced wear. Excellent oxidation control and sludge control helps to keep the engine in healthier condition.

Meets API CF-4, MB 228.1 & EDL-5 of IS 13656 requirements

Diesel engines of heavy duty as well as light duty service of both Naturally Aspirated and Turbocharged Engines.

Recommended for heavy & light commercial vehicles, tractors, multi utility vehicles, cars & jeeps.

- Long drain & Prolonged engine life
- Good control over soot reduces engine wear
- High temperature stability reduces oxidative oil thickening
- Reduced oil consumption

Kinematic Viscosity,cSt	
@100°C	14- 15.2
Viscosity Index, min	120
Flash Point (COC)°C, min	190
Pour Point°C,Max	-21
TBN,mg KOH/g min	9

HP RAIL ROAD OIL 817M

HP RAIL ROAD OIL 817M IS GENERATION 5 PLUS ZINC FREE MULTIGRADE CRANKCASE OIL FOR ALL EMD LOCOMOTIVES

MEETS API CF & LMOA GENERATION-V

RECOMMENDED FOR USE IN EMD LOCOMOTIVES OPERATING IN INDIAN RAILWAYS

- FUEL ECONOMY
- REDUCED LUBE OIL CONSUMPTION
- CLEANER ENGINES & LESSER WEAR

KINEMATIC VISCOSITY cst @ 100C	15.5-16.3
VISCOSITY INDEX,MIN	110
FLASH POINT, (COC) C,MIN	200
POUR POINT, C , MAX	-21
TBN , mg KOH/g, MIN	17
ZINC, PPM, MAX	10

APPROVED BY INDIAN RAILWAYS

HP RAIL ROAD OIL 813M

HP RAIL ROAD OIL 813M IS A GENERATION 5 PLUS ZINC FREE MULTIGRADE CRANKCASE OIL FOR ALL LOCOMOTIVES INCLUDING EMD , GE & ALCO

MEETS API CF & LMOA GENERATION-V

RECOMMENDED FOR USE IN ALL TYPE S OF LOCOMOTIVES OPERATING IN INDIAN RAILWAYS.ABSENCE OF ZINC IN THE OIL MAKES IT IDEAL FOR USE IN DIESEL LOCOMOTIVES FITTED WITH SILVER COMPONENTS

- FUEL ECONOMY
- REDUCED LUBE OIL CONSUMPTION
- CLEANER ENGINES & LESSER WEAR

KINEMATIC VISCOSITY cst @ 100 deg C	15.5-16.3
VISCOSITY INDEX,MIN	110
FLASH POINT, (COC) C,MIN	200
POUR POINT, C , MAX	-21
SULPHATED ASH % WT.,MAX	1.63
TBN ,mgKOH/g,MIN	13
ZINC, PPM, MAX	10

HP RAIL ROAD OIL 613

HP RAIL ROAD OIL 613 IS A GENERATION -4 CRANKCASE OIL DEVELOPED TO MEET THE REQUIREMENTS OF ALCO /DLW LOCOMOTIVES

MEETS API CD, US MILITARY MIL-L-2104C, LMOA GENERATION-IV & E-DL 2 OF IS 13656 SPECIFICATIONS.

RECOMMENDED FOR USE IN ALCO/ DLW LOCOMOTIVES OPERATING IN INDIAN RAILWAYS. IT IS HOWEVER NOT RECOMMENDED FOR USE IN LOCOMOTIVES FITTED WITH SILVER LINED COMPONENTS.

- PROTECTION AGAINST DEPOSITS AND ENGINE WEAR.
- ENGINE CLEANLINESS
- EXCELLENT CONTROL ON CORROSIVE WEAR.

KINEMATIC VISCOSITY cst @ 100C	15.8-16.2
VISCOSITY INDEX,MIN	90
FLASH POINT, (COC) C,MIN	225
POUR POINT, C , MAX	-6
SULPHATED ASH% WT , MAX	1.9
TBN ,mgKOH/g,MIN	9

APPROVED BY :

RDSO FOR USE IN ALCO / DLW LOCOMOTIVES OPERATING IN INDIAN RAILWAYS

HP RAIL ROAD OIL 713

HP RAIL ROAD OIL 713 IS A GENERATION -4
ZINCFREECRANKCASE OIL FOR ALL LOCOMOTIVES
INCLUDING EMD, GE & ALCO

MEETS API CD, US MILITARY MIL-L-45199B, LMOA
GENERATION-IV & E-DL 2 OF IS: 13656-1993
SPECIFICATIONS

RECOMMENDED FOR USE IN ALL TYPES OF LOCOMOTIVES
OPERATING IN INDIAN RAILWAYS.ABSENSE OF ZINC IN THE
OIL MAKES IT IDEAL FOR USE IN DIESEL LOCOMOTIVES
FITTED WITH SILVER COMPONENTS

- RESISTANCE TO DEPOSITS ON ENGINE PARTS
- EXCEPTIONAL THERMAL AND OXIDATION STABILITY
- ABSOLUTE CONTROL OF CORROSIVE WEAR

KINEMATIC VISCOSITY cst @ 100C	15.8-16.2
VISCOSITY INDEX,MIN	90
FLASH POINT, (COC) C,MIN	225
POUR POINT, C , MAX	-6
SULPHATED ASH % WT.,MAX	1.8
TBN ,mgKOH/g,MIN	12.9
ZINC, PPM, MAX	10

APPROVED BY:
RDSO FOR USE IN ALL TYPES OF LOCOMOTIVES OPERATING IN INDIAN
RAILWAYS
L&T FOR DETROIT DG SETS

HP MILCY EUROL 15W 40

**HEAVY DUTY MULTIPURPOSE DIESEL ENGINE OIL
SPECIALLY DESIGNED FOR NEW GENERATION HEAVY
DUTY DIESEL ENGINES FITTED WITH EMISSION CONTROL
DEVICES.**

**THE PRODUCT CARRIES THE ACCREDITATION OF API CG-4
MEETS SPECIFICATIONS API CG-4,ACEA E-96 ISSUE 3/B 3-
98,ACEA A3-98,VOLVO VDS 2 MB 228.2/3,MAN 270/271**

**THE OILS ARE SUITABLE FOR USE IN SUPER CHARGED
AND TURBOCHAGED DIESEL ENGINES**

- **Excellent Control on high temperature deposits.**
- **Exceptional thermal and oxidative stability.**
- **Ensures compliance of emission standards**

PROPERTIES	HP MILCY EUROL 15W 40
KINEMATIC VISCOSITY cst @ 100deg C	14-16
KINEMATIC VISCOSITY cst @ 40 deg C	110
VISCOSITY INDEX,MIN	130
POUR POINT, C , MAX	-21
SULPHATED ASH,%WT,MAX	1.62
TBN ,mgKOH/g,MIN	9.0

**Approved by
M/s ASHOK LEYLAND
M/s Tata Motors Ltd**

HP DIESELINO 15W 40

Premium Quality Diesel Engine Oil meeting highest level of performance and carrying API CH-4 accreditation. This oil promises Engine Durability even under adverse applications.

Meets API CH-4, VOLVO VDS 2, MB 228.3, ACEA E3-96 Issue / E5-02 requirements

New Generation Diesel Engines of Trucks, Buses, Cars Construction Equipment & DG sets requiring API CH-4/CG-4/Volvo VDS -2 oils

- Excellent Soot handling properties.
- Good control over soot induced Wear
- Higher Levels of Piston Cleanliness
- High Temperature Stability
- Protection against oxidative & insoluble thickening

Kinematic Viscosity, cSt	
@100°C	15
Viscosity Index	141
Flash Point (COC)°C	205
Pour Point°C, Max	-21
TBN, mg KOH/g	9.2

Approved by

M/s Mahindra & Mahindra Ltd

HP MILCY No.1 TGO

Diesel Engine Oil exclusively developed for Tata Motors vehicles

Meets API CH-4, MB 228.3, VDS 3, , ACEA A3/B3/ E5-02 , MTU Category 2 requirements

New Generation Diesel Engines of Trucks, Buses, Cars Construction Equipment & DG sets

- Long drain oil
- Excellent Soot handling properties
- High Temperature Stability
- Protection against oxidative & insoluble thickening

Kinematic Viscosity,cSt	
@100°C	14 - 15
Viscosity Index, min	125
Flash Point (COC)°C, min	190
Pour Point°C,Max	-27
TBN,mg KOH/g, min	9.9

Approved by

M/s Tata Motors Ltd

HP No.1

Top of the line Diesel Engine Oil meeting highest performance standards. Suitable for latest Euro III compliant engines.

Meets API CI-4, ACEA A3/B4/E5 , MB 228.3, Volvo VDS-3, MAN M3275

New generation Diesel Engines of Heavy Commercial, Multi Utility as well as Small Cars requiring highest quality Engine Oils

- **Protects engine from excessive wear**
- **Longer life for Cylinder Liner, Piston Ring, Valves, Cam**
- **Longer oil life due to excellent visc control**
- **Higher levels of engine cleanliness**
- **Helps to reduce pollution**

Kinematic Viscosity,cSt @ 100°C	14-16
Viscosity Index, min	12
	0
Pour Point°C, max	-21
TBN,mg KOH/g min	9
Sulphated ash , % wt, max	1.48

**Approved by
M/s MAN, Germany
M/s Volvo**

**Recommended for
M/s Ashok Leyland**

HP MILCY CJ-4

Developed for Euro IV compliance Diesel Engines.

This high quality Diesel engine oil is suitable for Engines fitted with emission control devices where particulate filters and other advanced after treatment systems are used

Meets API CJ-4

Recommended for Euro IV compliance engines

Kinematic Viscosity @ 100 deg C, cSt	14-16
Viscosity index, min	120
	0
Flash point, deg C, min	200
TBN, mg KOH/gm, min	9
Pour point, deg C, max	-24