



Heavy Equipment Oil



1950

**“BERIKAN AKU 10 PEMUDA, NISCAYA AKAN
KUGUNCANGKAN DUNIA” IR. SOEKARNO**
INDONESIA'S FIRST PRESIDENT

The Number One
Heavy Equipment Oil
in Indonesia



THE SPIRIT THAT STILL LIVE

PATRIOTISM TODAY IS SHAPED BY THE PRIDE OF ITS HISTORY.
TOGETHER WITH HEO, LET'S FUEL OUR ATTITUDES TOWARDS PATRIOTISM,
THE LOVE FOR OUR MOTHERLAND, FOR ONE'S ANCESTRY, CULTURE & HOMELAND.

PRODUCT CATALOG



PRIDE OF NATION

LUBRICANT IS THE SPIRIT OF AN ENGINE. WITHOUT GOOD LUBRICANT, NO MATTER HOW GOOD THE ENGINE IS, IT WILL BE DIFFICULT TO PERFORM WELL. THAT GOES TO YOUR HEAVY EQUIPMENTS AS WELL.

HEO IS A BRAND THAT REPRESENT HEAVY EQUIPMENT LUBRICANT. HEO IS A SYNERGY BETWEEN LATEST LUBRICANT TECHNOLOGY AND YEARS OF EXPERIENCES IN HEAVY EQUIPMENT HANDLING. THIS LUBRICANT IS SPECIALLY DESIGNED TO BE THE SPIRIT OF ALL YOUR HEAVY EQUIPMENTS. HEO CAN ALSO MINIMIZE PROBLEMS THAT COMMONLY OCCUR BECAUSE OF WRONG USAGE OF LUBRICANT.

HEO IS YOUR SOLUTION FOR HIGH QUALITY LUBRICANT.

MULTI GRADE ENGINE OIL HEO

SAE 15W40, SAE 20W50

PERFORMANCE STANDARDS
API CF-4/S6, API CI-4/SL
ACEA E3-96#3, E5, E7
JASO DH-3, MAN 271

SATISFYING MOST DIESEL
ENGINE OEM OIL DEMAND

MINIMIZES OIL CONSUMPTION

EXCEED THE HIGHEST API GASOLINE
ENGINE PERFORMANCE AS WELL

NEUTRALIZES ACIDS FROM HIGH SULFUR FUEL

PARTICULARLY SUITABLE FOR THE LATEST DIESEL ENGINE
EQUIPPED WITH EGR (EXHAUST GAS RECIRCULATION)

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-15W40-CF4/D200	DIESEL ENGINE OIL SAE 15W40 API CF4	200
HEO-20W50-CF4/D200	DIESEL ENGINE OIL SAE 20W40 API CF4	200
HEO-15W40-CI4/D200	DIESEL ENGINE OIL SAE 15W40 API CI4	200
HEO-15W40-CI4/P18	DIESEL ENGINE OIL SAE 15W40 API CI4	18
HEO-15W40-14P/D200	DIESEL ENGINE OIL SAE 15W40 API CI4+	200

**A PREMIUM LUBRICANT
FOR DIESEL ENGINE WITH
A MULTIGRADE VISCOSITY**

TEST DESCRIPTION	METHOD	TYPICAL RESULT		
SAE Viscosity Grade	SAE J 300	15W40	15W40	20W50
Classification		CI4	CI4PLUS	CF4
Density @ 15°C	ASTM D-1298	0.886	0.884	0.894
Flash Point °C	ASTM D-92	224	225	229.5
Pour Point °C	ASTM D-97	-24	-40	-27
Kinematic Viscosity				
@ 40°C (cSt)	ASTM D-445	107.5	115	163
@ 100°C (cSt)	ASTM D-445	15.1	15.2	19.1
Viscosity Index	ASTM D-2270	147	138	136
TBN (mgKOH/g)	ASTM D-2896	12	12	12
Color	ASTM D-1500	< 3.5		< 3.5

GEAR OIL SARUS

SAE 90 & 140
SAE 80W90 & 85W140



PERFORMANCE STANDARDS
API GL-4, API GL-5
MIL-L-2105B

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-90-GL4/D200	AUTOMOTIVE GEAR OIL SAE 90 API GL-4	200
HEO-140-GL4/D200	AUTOMOTIVE GEAR OIL SAE 140 API GL-4	200
HEO-90-GL5/D200	AUTOMOTIVE GEAR OIL SAE 90 API GL-5	200
HEO-140-GL5/D200	AUTOMOTIVE GEAR OIL SAE 140 API GL-5	200
HEO-80W90-G5/D200	AUTOMOTIVE GEAR OIL TM80W-90 GL-5	200
HEO-80W90-G5/P18	AUTOMOTIVE GEAR OIL TM80W-90 GL-5	18
HEO-85W140-G5/D200	AUTOMOTIVE GEAR OIL TM85W-140 GL-5	200

PROVEN GEAR PROTECTION IN LOW & HIGH-SPEED CONDITIONS

REDUCE COSTS ASSOCIATED WITH SEASONAL OIL CHANGES

IMPROVES OIL ECONOMY

SUPERIOR SULFUR PHOSPHORUS ADDITIVES

EASIER LOW TEMPERATURE STARTING

MAINTAINS FLUIDITY AT LOW TEMPERATURE*
*FOR SAE 80W90 & 85W140

A PREMIUM LUBRICANT
SPECIALLY MADE FOR
GEAR SYSTEM

TEST DESCRIPTION	METHOD	TYPICAL RESULT					
SAE Viscosity Grade	SAE J 300	90	90	140	140	80W90	85W140
Classification		GL-4	GL-5	GL-4	GL-5	GL-5	GL-5
Density @ 15°C	ASTM D-1298	0.9	0.896	0.91	0.91	0.888	0.902
Flash Point °C	ASTM D-92	190	244	200	262	216	220
Pour Point °C	ASTM D-97	-17	-9	-9	-6	-27	-21
Kinematic Viscosity							
@ 40°C (cSt)	ASTM D-445	147	198	344	402	137.1	360.7
@ 100°C (cSt)	ASTM D-445	13	17.1	25.7	27.8	14.42	26.99
Viscosity Index	ASTM D-2270	94	95	95	95	104	100
Color	ASTM D-1500	< 2		< 3.5	< 2		< 2.5

SINGLE GRADE TRANSMISSION OIL



SAE 10W, 30 & 50



PERFORMANCE STANDARDS
API GL-5
MIL-L-2105B

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-SAE 10-TO4/D200	TRANSMISSION OIL SAE10W TO4	200
HEO-SAE 30-TO4/D200	TRANSMISSION OIL SAE30 TO4	200
HEO-SAE 50-TO4/D200	TRANSMISSION OIL SAE50TO4	200

EXCELLENT GEAR WEAR PROTECTION

EXTENDS COMPONENT LIFE

EXCELLENT THERMAL STABILITY

COMPATIBLE WITH CRANKCASE ENGINE OILS

EXCELLENT FRICTIONAL CHARACTERISTIC

OUTSTANDING CLEANLINESS

EXCELLENT PROTECTION AGAINST RUST & CORROSION

A PREMIUM LUBRICANT
SPECIALLY MADE FOR
TRANSMISSION SYSTEM

TEST DESCRIPTION	METHOD	TYPICAL RESULT		
SAE Viscosity Grade	SAE J 300	10W	30	50
Density @ 15°C	ASTM D-1298	0.882	0.893	0.897
Flash Point °C	ASTM D-92	224	248	262
Pour Point °C	ASTM D-97	-27	-6	-9
Kinematic Viscosity				
@ 40°C (cSt)	ASTM D-445	40.8	86.5	205
@ 100°C (cSt)	ASTM D-445	5.42	10.44	17.96
Viscosity Index	ASTM D-2270	107	103	96
TBN (mgKOH/g)	ASTM D-2896	7.56	7.56	7.56
Color	ASTM D-1500	< 3	< 3	< 3.5

INDUSTRIAL TRANSMISSION OIL

ISO VG 100, 150, 220, 320 & 460



PERFORMANCE STANDARDS
DIN 51506 VBL, DIN 51506 VCL

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-ISOVG-100/D200	GEAR OIL ISOVG-100	200
HEO-ISOVG-150/D200	GEAR OIL ISOVG-150	200
HEO-ISOVG-220/D200	GEAR OIL ISOVG-220	200
HEO-ISOVG-320/D200	GEAR OIL ISOVG-320	200
HEO-ISOVG-460/D200	GEAR OIL ISOVG-460	200

VERY GOOD LOAD CARRYING ABILITY

EXCELLENT RUST AND CORROSION PROTECTION

EXCELLENT OXIDATION AND THERMAL STABILITY

LOW MAINTENANCE COST

APPLIED TO MACHINE OIL EQUIPMENT

A PREMIUM INDUSTRIAL
LUBRICANT SPECIALLY
MADE FOR GEAR REDUCER
SYSTEM

TEST DESCRIPTION	METHOD	TYPICAL RESULT			
ISO VG		150	220	320	460
Gravity, °API	ASTM D-1298	30	26	28	27
Kinematic Viscosity					
@ 40°C (cSt)	ASTM D-445	147	220	314	453
@ 100°C (cSt)	ASTM D-445	14.4	18.5	24.4	30.3
Viscosity Index	ASTM D-2270	95	95	96	94
Flash Point, °C	ASTM D-92	236	249	260	279
Pour Point, °C	ASTM D-97	-12	-12	-12	-12

AUTOMATIC TRANSMISSION OIL

ARBUS

ATF DEXRON IIIE



MULTIPURPOSE PRODUCT FOR USE IN AUTOMATIC TRANSMISSIONS SYSTEM

APPLIED AS THE OPERATING FLUID IN HYDRAULIC EQUIPMENT, ESPECIALLY AT LOW AMBIENT TEMPERATURES, AIR COMPRESSORS AND POWER STEERING SYSTEMS

PERFORMANCE STANDARDS

DEXRON-III (GM MS-7176E),
CATERPILLAR TO-2,
MERCON (FORD M2C138C),
ALLISON TYPE C-3 & C-4

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-ATF-DEXRONIII/D200	TRANSMISSION OIL ATF DEXRON-III E	200
HEO-ATF-DEXRONIII/J1	TRANSMISSION OIL ATF DEXRON-III E	1

A PREMIUM MULTIPURPOSE LUBRICANT SPECIALLY MADE FOR TRANSMISSION SYSTEM

TEST DESCRIPTION	METHOD	TYPICAL RESULT
Gravity, @ 15.6°F	ASTM D-4052	0.8387
Kinematic Viscosity		
@ 40°C (cSt)	ASTM D-445	31.93
@ 100°C (cSt)	ASTM D-445	7.17
Viscosity Index	ASTM D-2270	199
Color	Visual	Red
Flash Point, °F	ASTM D-92	224
Pour Point, °F	ASTM D-97	-45

SINGLE GRADE ENGINE OIL COLLUM

SAE 10W, 30,
40 & 50



PERFORMANCE STANDARDS
API CF/SF
ACEA E1-96#2, ACEA E2

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-10-CF/D200	DIESEL ENGINE OIL SAE 10W API CF	200
HEO-30-CF/D200	DIESEL ENGINE OIL SAE 30 API CF	200
HEO-40-CF/D200	DIESEL ENGINE OIL SAE 40 API CF	200
HEO-50-CF/D200	DIESEL ENGINE OIL SAE 50 API CF	200



FOR SAE 10W

HELP EXTEND ENGINE LIFE

RECOMMENDED FOR DIESEL ENGINES

MINIMIZES PISTON & COMBUSTION CHAMBER DEPOSITS

FIGHT SLUDGE & VARNISH

CONTAINS ANTI-CORROSION AGENTS

FOR SAE 30, 40 & 50

HELP EXTEND ENGINE LIFE

RECOMMENDED FOR BOTH GASOLINE & DIESEL ENGINES

MINIMIZES PISTON & COMBUSTION CHAMBER DEPOSITS

FIGHT SLUDGE & VARNISH

CONTAINS ANTI-CORROSION AGENTS

**A PREMIUM LUBRICANT
FOR DIESEL ENGINE WITH
SINGLEGRADE VISCOSITY**

TEST DESCRIPTION	METHOD	TYPICAL RESULT			
SAE Viscosity Grade	SAE J 300	10W	30	40	50
Density @ 15°C	ASTM D-1298	0.882	0.893	0.897	0.899
Flash Point °C	ASTM D-92	216	240	258	254
Pour Point °C	ASTM D-97	-27	-9	-9	-9
Kinematic Viscosity					
@ 40°C (cSt)	ASTM D-445	34.8	103	146.6	211
@ 100°C (cSt)	ASTM D-445	105.91	11.9	15.31	18.9
Viscosity Index	ASTM D-2270	113	105	106	103
TBN (mgKOH/g)	ASTM D-2896	11	11	11	11
Color	ASTM D-1500	< 3	< 3	< 3.5	< 3.5

MEDIUM SPEED ENGINE OIL

COLLUX

SAE 40 TBN 20 & 30



PERFORMANCE STANDARDS API CF

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-40-TBN20CF/D200	DIESEL ENGINE OIL SAE 40 TBN 20	200
HEO-40-TBN30CF/D200	DIESEL ENGINE OIL SAE 40 TBN 30	200

HIGH LEVEL OF ENGINE CLEANLINESS

LOW WEAR LEVEL

GOOD WATER SEPARATION AND ALKALINITY RETENTION

READILY CLEANED BY CENTRIFUGE

GOOD RUST AND CORROSION PROTECTION

LONG TIME BETWEEN OVERHAUL

LONG OIL LIFE

A PREMIUM INDUSTRIAL LUBRICANT SPECIALLY MADE FOR DIESEL ENGINE WITH MEDIUM SPEED RANGE

TEST DESCRIPTION	METHOD	TYPICAL RESULT	
SAE Viscosity Grade	SAE J 300	40 TBN 20	40 TBN 30
Density @15°C	ASTM D-4052	0.896	0.95
Flash Point °C	ASTM D-92	259	236
Pour Point °C	ASTM D-97	-17	-20
Kinematic Viscosity			
@ 40°C (cSt)	ASTM D-445	152	143.1
@ 100°C (cSt)	ASTM D-445	15.4	15.1
TBN (mgKOH/g)	ASTM D-2896	20.5	32.2

HYDRAULIC OIL RIGEL

SAE 10W
ISO VG 32, 46 & 68

PERFORMANCE STANDARDS

CETOP RP 91H HM, AFNOR NFE 48600 HM,
BS 4231 HSD, DIN 51524 PART 2 HLP,
CINCINNATI P-68, CINCINNATI P-70, CINCINNATI P-69,
EATON (VICKERS) M-2950 S, EATON (VICKERS) I-286 S
VDMA 24318, DENISON HF-0, DENISON HF-1,
DENISON HF-2A, DENISON HF-2

FOR SAE 10W: API CF / SF, ACEA E1-96#2

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-10-CF/D200	DIESEL ENGINE OIL SAE 10W API CF	200
HEO-ISOVG-32/D200	HYDRAULIC OIL ISOVG-32	200
HEO-ISOVG-32HT/D200	HEAT TRANSFER OIL ISOVG-32	200
HEO-ISOVG-46/D200	HYDRAULIC OIL ISOVG-46	200
HEO-ISOVG-68/D200	HYDRAULIC OIL ISOVG-68	200

EXCELLENT WEAR PROTECTION
AT ALL OPERATING CONDITIONS

SUPERIOR THERMAL & OXIDATION STABILITY
TO RESIST OIL DEGRADATION & THICKENING

RAPID WATER SEPARATION, EXCELLENT AIR RELEASE &
ANTI-FOAM PROPERTIES TO ENSURE TROUBLE-FREE OPERATION

SPECIALLY SELECTED ADDITIVES SYSTEM PREVENT THE FORMATION
OF DAMAGING DEPOSITS, VARNISH, SLUDGE & RUST

A PREMIUM LUBRICANT
FOR ALL KIND OF
HYDRAULIC SYSTEM.

TEST DESCRIPTION	METHOD	TYPICAL RESULT		
ISO VG		32	46	68
Density @ 15°C	ASTM D-1298	0.87	0.874	0.876
Flash Point °C	ASTM D-92	221	232	258
Kinematic Viscosity				
@ 40°C (cSt)	ASTM D-445	32	46	68
@ 100°C (cSt)	ASTM D-445	6.6	6.9	8.8
Viscosity Index	ASTM D-2270	161	105	102
Color	ASTM D-1500	< 1.5	< 1.5	< 1.5

AUTOMOTIVE ENGINE OIL

ANTARES

SAE 5W30, SAE 10W40, SAE 20W50



PERFORMANCE STANDARDS

API SN / RC, ACEA A1 / B1-08, ILSAC GF-5
 API SM / CF, ACEA A3 / B4, JASO SG+
 API SL / CF, ACEA A2 / B2

PART NUMBER	DESCRIPTION	PACKAGE (L)
HEO-5W30-SN-RC/D200	SYNTHETIC ENGINE OIL SAE 5W30	200
HEO-10W40-SM/D200	SYNTHETIC ENGINE OIL SAE 10W40	200
HEO-20W50-SL/D200	SYNTHETIC ENGINE OIL SAE 20W50	200

SUPERIOR ACTIVE CLEANSING AGENTS

ENHANCED OXIDATION STABILITY

MINIMIZES VIBRATION AND ENGINE NOISE

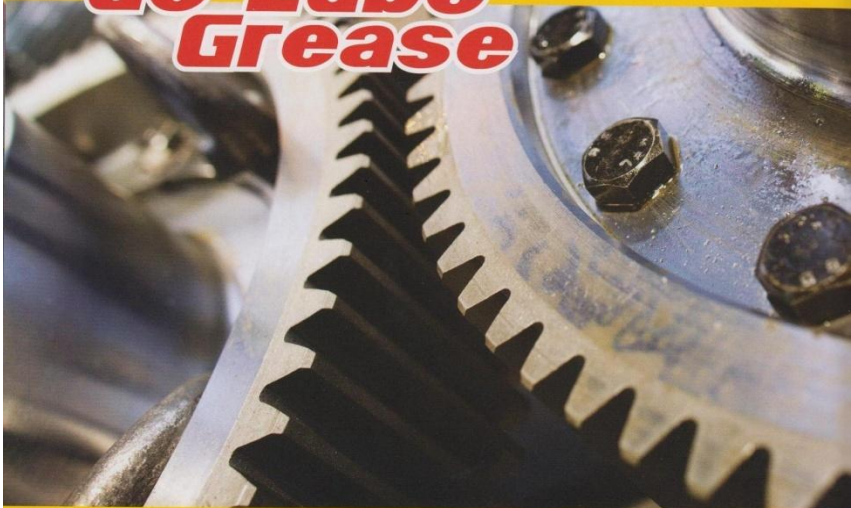
SPECIALLY SELECTED SYNTHETIC BASE OILS

CLEANS OUT ENGINE SLUDGE

**A PREMIUM LUBRICANT
 FOR AUTOMOTIVE
 GASOLINE ENGINE
 WITH A MULTIGRADE
 VISCOSITY**

TEST DESCRIPTION	METHOD	TYPICAL RESULT
SAE Viscosity Grade	SAE J 300	5W30 10W40 20W50
Gravity, °API	ASTM D-287	34.8
Specific Gravity @ 60°F (15.6°C)	ASTM D-287	0.84 0.88 0.88
Kinematic Viscosity		
@ 40°C (cSt)	ASTM D-445	55.2 93 158
@ 100°C (cSt)	ASTM D-445	10.4 14.6 20
Viscosity Index	ASTM D-2270	179 138 138
Flash Point °C	ASTM D-93	225 221 219
Pour Point °C	ASTM D-97	-41 -40 -29

de' Lube Grease



PART NUMBER	DESCRIPTION	PACKAGE (L)
AM-SMG-D180	AllMakes Delube Grease Super Moly 3	180
AM-EMG-D180	AllMakes Delube Grease Extra Moly 3	180
AM-SLG-D180	AllMakes Delube Grease Super EP 2	180
AM-SHDG-P15	AllMakes Delube Grease Super HD	15
AM-SCDG-P15	AllMakes Delube Grease Super Chassis 3	15
AM-SCDG-D180	AllMakes Delube Grease Super Chassis	180

TOP QUALITY GREASE WITH 3% MOLYBDENUM AND VERY GOOD PERFORMANCE FOR HEAVY DUTY APPLICATION

HIGH TEMPERATURE
WATER RICH ENVIRONMENT | HEAVY / SHOCK LOAD

SUPER MOLY 3
de' Lube Grease

A HIGH PERFORMANCE GREASE INTENDED FOR THE LUBRICANT OF SLOW MOVING HEAVILY LOADED LARGE BEARINGS

EXCELLENT EXTREME PRESSURE CAPABILITIES & RESISTANT TO SHOCK LOAD
EXCELLENT WATER RESISTANCE & MECHANICAL STABILITY
EFFECTIVE CORROSION PROTECTION HIGH DROPPING POINT

EXTRA MOLY
de' Lube Grease

NLGI 2 GREASE WITH EXTREME PRESSURE FOR INDUSTRIAL GREASE BASED ON A BLEND OF HIGH VISCOSITY INDEX MINERALS OILS AND LITHIUM HYDROXYSTEARATE SCAP THICKENER AND OTHER PROVEN ADDITIVES

EXCELLENT EXTREME PRESSURE CAPABILITIES & RESISTANT TO SHOCK LOAD
EXCELLENT WATER RESISTANCE & MECHANICAL STABILITY
EFFECTIVE CORROSION PROTECTION HIGH DROPPING POINT

SUPER EP 2
de' Lube Grease

MULTI PURPOSE GREASE WITH EXTREME PRESSURE PERFORMANCE AND SPECIALLY MADE FROM MINERAL OIL AND SELECTED ADDITIVE TO ENHANCE ITS EFFECTIVENESS IN A WIDE RANGE APPLICATION

EXTREME PRESSURE
HIGH MELTING POINT
GOOD WATER RESISTANCE PROPERTIES | ANTI CORROSION PROTECTION

SUPER HD
de' Lube Grease

WATER RESISTANCE GREASE FORTIFIED WITH TACKINESS AGENT TO ENHANCE TENACITY TO OILED PLACES

WATER RESISTANCE
EASY STICK WITH METAL SURFACE OF MOVING PARTS
PREVENT WEAR, RUST AND CORROSION

SUPER CHASSIS 3
de' Lube Grease

BUSINESS NETWORK DISTRIBUTION CHANNELS

www.heo-indonesia.com

ALLMAKES BRANCH DISTRIBUTION CENTER	6 COVERED AREAS
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STOCKIST	32 COVERED AREAS
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1900



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