

# คู่มือเทียบผลิตภัณฑ์หล่อลื่นยานยนต์




AUTOMOTIVE  
LUBRICANTS  
COMPARISON  
CHART



# น้ำมันเครื่องเบนซินสำหรับรถยนต์นั่ง

## PASSENGER CAR MOTOR OILS

	SHELL	MOBIL	CALTEX	CASTROL	PETRONAS	VALVOLINE	TOTAL	BANGCHAK	ENEOS
<b>PERFORMA EURO SYN</b> SAE 5W-30/5W-40 (ACEA C3, API SN)	HELIX ULTRA ECT SAE 0W-30/5W-30 (ACEA C3, API SN)	MOBIL 1 ESP SAE 0W-30/5W-30 (ACEA C3, API SN) MOBIL 1 ESP X3 SAE 0W-40 (ACEA C3, API SN)	HAVOLINE ULTRA S SAE 5W-30/5W-40 (ACEA C3, API SN) HAVOLINE PRO DS FULLY SYNTHETIC LE SAE 5W-40 (ACEA C3, API SN)	EDGE 5W-30 C3 SAE 5W-30 (ACEA C3, API SN) EDGE PROFESSIONAL LONGLIFE III 5W-30 SAE 5W-30 (ACEA C3) EDGE 5W-30 M SAE 5W-30 (ACEA C3, API SN PLUS)	SYNTIUM 5000 DM SAE 5W-30 (ACEA C3, API SN) SYNTIUM 3000 SAE 5W-40 (ACEA C3, API SN)	SYNPOWER MST SAE 5W-30/5W-40 (ACEA C3, API SN)	QUARTZ INEO MC3 SAE 5W-30 (ACEA C3, API SN) QUARTZ INEO LONG LIFE SAE 5W-30 (ACEA C3, API SN)	-	ENEOS EURO Fully Syn SAE 5W-30 (ACES C3) ENEOS X PRIME SAE 5W-40 (API SN, ACEA C3)
<b>PERFORMA SUPER SYNTHETIC</b> SAE 0W-20/0W-30 (API SP, ILSAC GF-6A) SAE 0W-40 (API SP, ACEA A3/B4)	HELIX ULTRA SP SAE 0W-20 (API SP, ACEA C5) HELIX ULTRA/ HELIX V POWER SAE 0W-40 (API SP, ACEA A3/B4)	MOBIL 1 SAE 0W-20 (API SP, ILSAC GF-6A, ACEA C5) SAE 5W-30 (API SP, ILSAC GF-6A, ACEA A5/B5) SAE 0W-40 (API SP, ACEA A3/B4) SUPER 3000/ SUPER ALL-IN-ONE PROTECTION SAE 5W-30 (API SP, ILSAC GF-6A) MOBIL 1 FORMULA SAE 0W-40 (API SN, ACEA A3/B4)	HAVOLINE PRO DS FULLY SYNTHETIC ECO SAE 0W-20/5W-30 (API SP, ILSAC GF-6A)	MAGNATEC STOP-START SAE 0W-20 (API SP, ILSAC GF-6) EDGE SAE 0W-40 (API SN, ACEA A3/B4)	SYNTIUM 7000 SAE 0W-30 (API SN, ILSAC GF-5) SAE 0W-40 (API SN, ACEA A3/B4)	HYBRID VEHICLE SAE 0W-20 (API SP, ILSAC GF-6A) SYNPOWER SAE 5W-30 (API SP, ILSAC GF-6A) SAE 5W-40 (API SP) PREMIUM PROTECTION SAE 5W-30 (API SP, ILSAC GF-6A)	QUARTZ 9000 FUTURE FGC SAE 5W-30 (API SP, ILSAC GF-6A) QUARTZ 9000 FUTURE GF-6 SAE 0W-20/5W-30 (API SP, ILSAC GF-6A) QUARTZ 8000 FUTURE GF-6 SAE 5W-30 (API SP, ILSAC GF-6A) QUARTZ 9000 ENERGY SAE 0W-40 (API SN, ACEA A3/B4)	FURIO FULLY SYNTHETIC SP SAE 5W-30 (API SP, ILSAC GF-6A) SAE 5W-40 (API SP) FURIO FULLY SYNTHETIC PREMIUM SAE 0W-40 (API SN, ACEA A3/B4)	ENEOS X PRIME SAE 0W-20 (API SP/RC, ILSAC GF-6A)
<b>PERFORMA SYNTHETIC HYBRID</b> SAE 0W-20 (API SP, ILSAC GF-6A)	HELIX HYBRID SAE 0W-20 (API SP, ILSAC GF-6A)	-	HAVOLINE FULLY SYNTHETIC HYBRID SAE 0W-20 (API SP, ILSAC GF-6A)	CASTROL MAGNATEC HYBRID SAE 0W-20 (API SP, ILSAC GF-6A)	SYNTIUM 7000 HYBRID SAE 0W-20 (API SP, ILSAC GF-6A)	HYBRID VEHICLE SAE 0W-20 (API SP, ILSAC GF-6A)	-	FURIO FULLY SYNTHETIC HYBRID SAE 0W-20 (API SP, ILSAC GF-6A)	-
<b>PERFORMA SYNTHETIC RACING</b> SAE 5W-50 (API SN, ACEA A3)	-	MOBIL 1 FS X2 SAE 5W-50 (API SP, ACEA A3/B4)	HAVOLINE PRO DS FULLY SYNTHETIC SAE 10W-50 (API SN)	-	SYNTIUM 1000 SAE 15W-50 (API SN)	-	QUARTZ RACING SAE 10W-50 (API SN)	-	-
<b>PERFORMA SYNTHETIC</b> SAE 5W-30 (API SN, ACEA A5/B5/C2) SAE 5W-40 (API SN, ACEA A3/B4)	HELIX HX8 SAE 5W-40 (API SN PLUS, ACEA A3/B4)	SUPER 3000/ SUPER ALL-IN-ONE PRO- TECTION SAE 5W-40 (API SN PLUS, ACEA A3/B4)	HAVOLINE PRO DS FULLY SYNTHETIC LE SAE 5W-40 (API SN)	MAGNATEC SUV SAE 5W-30 (ILSAC GF-5, ACEA A5/B5) EDGE SAE 5W-40 (API SN, ACEA A3/B4)	SYNTIUM 3000 SAE 5W-30 (API SN PLUS, ILSAC GF-5) SYNTIUM 1000 SAE 5W-30 (API SN, ILSAC GF-5)	-	QUARTZ 8000 SAE 5W-30 (API SN, ILSAC GF-5) QUARTZ 9000 SAE 5W-40 (API SN, ACEA A3/B4)	FURIO FULLY SYNTHETIC (European Standard) SAE 5W-30 (ACEA A5/B5) GE PLATINUM SAE 5W-20 (API SP, ILSAC GF-5) GE GOLD SAE 5W-40 (API SN, ACEA A3/B4)	ENEOS X SUPER FULLY SYN SAE 5W-30 (API SP, ILSAC GF-6A) ENEOS X PREMIUM FULLY SYN SAE 5W-40 (API SP)



# น้ำมันเครื่องเบนซินสำหรับรถยนต์นั่ง

## PASSENGER CAR MOTOR OILS

ptt Lubricants	SHELL	MOBIL	CALTEX	CASTROL	PETRONAS	VALVOLINE	TOTAL	BANGCHAK	ENEOS
<b>PERFORMA SYNTHETIC ECO CAR</b> SAE 0W-20 (API SP, ILSAC GF-6A)	HELIX HX8 SP SAE 0W-20 (API SP, ILSAC GF-6A)	SUPER 3000/ SUPER ALL-IN-ONE PRO- TECTION SAE 0W-20 (API SP, ILSAC GF-6A)	-	MAGNATEC SAE 0W-20 (API SP, ILSAC GF-6A)	SYNTIUM 3000 E SAE 0W-20 (API SN)	SYNPOWER ECO SAE 0W-20 (API SP, ILSAC GF-6A)	QUARTZ 8000 FUTURE GF-6 SAE 0W-20 (API SP, ILSAC GF-6A) QUARTZ 8000 SAE 0W-20 (API SN, ILSAC GF-5)	-	ENEOS X ECO FULLY SYN SAE 0W-20 (API SP, ILSAC GF-6A)
<b>PERFORMA SYNTHETIC NGV</b> SAE 5W-40 (API SN, ACEA A3)	-	-	-	-	-	-	-	-	-
<b>PERFORMA SYNTEC PLUS</b> SAE 5W-30 (API SP, ILSAC GF-6A) SAE 10W-40 (API SP)	HELIX HX7 SP SAE 10W-30 (API SP, ILSAC GF-6A) HELIX HX7 SAE 5W-40 (API SN PLUS, ACEA A3/B4) HELIX HIGH MILEAGE SAE 10W-40 (API SN, ACEA A3/B4)	SUPER 2000/ SUPER FRICTION FIGHTER SAE 10W-40 (API SP)	HAVOLINE SYNTHETIC BLEND SAE 5W-30 (API SN PLUS, ILSAC GF-5) SAE 10W-40 (API SN, ACEA A3/B4)	MAGNATEC SAE 10W-40 (API SP)	SYNTIUM 800 SAE 5W-30 (API SN, ILSAC GF-5) SAE 10W-40 (API SN, ACEA A3/B3)	DURABLEND SAE 5W-30 (API SP, ILSAC GF-6A) SAE 10W-40 (API SP) MAXLIFE ALL CLIMATE PREMIUM SAE 10W-40 (API SP)	QUARTZ 7000 SAE 10W-40 (API SN)	FURIO SYNTHETIC TECHNOLOGY SAE 5W-30 (API SP, ILSAC GF-6A) SAE 10W-40 (API SP, ACEA A3/B4) GE SILVER SAE 10W-40 (API SN)	ENEOS TOP RACING SAE 5W-30 (API SP) SAE 10W-40 (API SP)
<b>PERFORMA NGV</b> SAE 10W-40 / 20W-50 (API SN)	HELIX HX7 G SAE 10W-40 (API SN)	-	HAVOLINE SYNTHETIC BLEND-GAS SAE 10W-40 (API SN)	-	-	ALL CLIMATE PREMIUM SAE 10W-40 (API SP)	-	-	-
<b>PERFORMA GAS TECH</b> SAE 15W-40 (API SN)	-	-	-	-	-	-	-	GE NGV SAE 15W-40 (ACEA A3/B4)	-
<b>PERFORMA</b> SAE 20W-50 (API SN)	HELIX HX5 SAE 15W-40 (API SN, ACEA A3/B3) HELIX HX3 G SAE 20W-50 (API SL)	SUPER 1000/ SUPER EVERYDAY PROTECTION SAE 20W-50 (API SP)	HAVOLINE FORMULA SAE 20W-50 (API SN PLUS) HAVOLINE MOTOR OIL SAE 20W-50 (API SJ)	GTX SAE 20W-50 (API SM) GTX GAS SAE 20W-50 (API SL) GTX CNG SAE 20W-50 (API SJ/CF)	SYNTIUM 3000 SAE 20W-50 (API SM, ACEA A3/B3) MACH 5 SAE 20W-50 (API SL) MACH 5 PLUS SAE 20W-50 (API SL) MACH 5 PLUS SAE 20W-50 (API SM/CF)	ALL CLIMATE SAE 20W-50 (API SL)	QUARTZ 5000 SAE 20W-50 (API SN) QUARTZ 3000 SAE 20W-50 (API SJ)	FURIO POWER SAE 20W-50 (API SN) GE PLUS SAE 20W-50 (API SN, ACEA A3/B4)	ENEOS POWER RACING SAE 20W-50 (API SG/CF-4)

# น้ำมันเครื่องดีเซลงานเบาสำหรับรถปิกอัพ เอสยูวี และพีพีวี

## LIGHT DUTY DIESEL ENGINE OILS

ptt Lubricants	SHELL	MOBIL	CALTEX	CASTROL	PETRONAS	VALVOLINE	TOTAL	BANGCHAK	ENEOS	OTHERS
<b>DYNAMIC SUPER COMMONRAIL</b> SAE 5W-30/5W-40 (ACEA C3)	HELIX ULTRA ECT SAE 0W-30/5W-30 (ACEA C3)	MOBIL 1 ESP FORMULA SAE 5W-30 (ACEA C3)	-	-	-	-	-	-	-	-
<b>DYNAMIC COMMONTRAIL SYNTHETIC</b> SAE 5W-30 (ACEA A5/B5) SAE 5W-40 (ACEA A3/B4)	HELIX V POWER DIESEL SAE 0W-40 (ACEA A3/B4) HELIX ULTRA PROFESSIONAL AF SAE 5W-30 (ACEA A5/B5) HELIX ULTRA DIESEL AH SAE 5W-40 (ACEA A3/B4) HELIX ULTRA DIESEL SAE 0W-40/5W-40 (ACEA A3/B4) HELIX HX8 SYNTHETIC SAE 5W-30 (ACEA A3/B4)	-	DELO SPORTS ADVANCE SAE 5W-30 (ACEA A3/B4)	EDGE PICK-UP SAE 5W-30 (ACEA A3/B4)	SYNTIUM 3000 E DIESEL SAE 5W-30 (ACEA A3/B4) SYNTIUM 3000 DIESEL SAE 5W-40 (ACEA A3/B4)	SYNTHETIC COMMONRAIL SAE 5W-30 (ACEA A3/B4)	QUARTZ 9000 NFC SAE 5W-30 (ACEA A5/B5)	-	SUPER FULLY SYN COMMONRAIL SAE 5W-30 (ACEA A3/B4) TURBO FULLY SYN SAE 5W-40 (ACEA A3/B4)	-
<b>DYNAMIC ULTRA COMMONRAIL</b> SAE 10W-30 (API Ck-4, ACEA E9/E7/E11)				MAGNATEC PROFESSIONAL SAE 10W-30 (API CK-4)					COMMONRAIL PLUS SAE 10W-30 (API CK-4)	MOTUL MULTIGRADE D-TURBO SAE 10W-30 (APK CK-4) REPSOL LEADER SAE 10W-30 (API CK-4) ACDELCO DIESEL SUPREME SAE 10W-30 (API CK-4)
<b>DYNAMIC COMMONRAIL</b> SAE 10W-30/15W-40 (API CI-4, ACEA A3/B4/E7)	HELIX HX7 DIESEL SAE 10W-30/15W-40 (ACEA A3/B4/API CI-4)	SUPER 2000 TURBOSPEED/ SUPER FRICTION FIGHTER TURBOSPEED SAE 10W-30 (API CI-4)	DELO SPORTS SYNTHETIC BLEND SAE 10W-30/15W-40 (API CI-4, JASO DH-1)	MAGNATEC PICK-UP SAE 10W-30/15W-40 (API CI-4)	SYNTIUM 800 DIESEL SAE 10W-30/15W-40 (API CI-4, ACEA E7) SUVIUM 500 SAE 10W-30/15W-40 (API CI-4, ACEA A3/B4/E5)	POWER COMMONRAIL SAE 10W-30 (API CI-4, ACEA E7) SUPER COMMONRAIL SAE 15W-40 (API CI-4, ACEA E7)	QUARTZ DIESEL 7000 SAE 10W-30/10W-40 (API CI-4)	FURIO SYNTHETIC TECHNOLOGY DIESEL SAE 10W-30/15W-40 (API CI-4, ACEA E7) D3 TURBO PLUS SAE 10W-30 (API CI-4, ACEA E7) SAE 15W-40 (API CI-4)	COMMONRAIL PLUS SAE 10W-30 (API CJ-4) TURBO COMMONRAIL SAE 15W-40 (API CJ-4)	
<b>DYNAMIC TURBO COMMONRAIL</b> SAE 10W-30 (API CI-4, ACEA E7)	HELIX HX5 DIESEL SAE 10W-30 (API CI-4)	-	DELO SPORTS TURBO SAE 10W-30 (API CH-4)	GTX PICK-UP SAE 10W-30 (API CF-4) <sup>1</sup>	MACH 5 DIESEL SAE 10W-30 (API CF-4) <sup>1</sup>	DIESEL TURBO SAE 10W-30 (API CI-4)	QUARTZ DIESEL 4000 SAE 10W-30 (API CF-4) <sup>1</sup>	DIESEL TD-I SAE 10W-30 (API CF-4) <sup>1</sup>	DIESEL PLUS SAE 10W-30 (API CI-4)	
<b>DYNAMIC TURBO</b> SAE 15W-40 / 20W-50 (API CF-4)	HELIX HX3 DIESEL SAE 20W-50 (API CF)	SUPER 1000 TURBOSPEED SAE 15W-40 (API CH-4)	DELO SILVER MULTIGRADE SAE 20W-50 (API CF-4)	GTX PICK-UP SAE 15W-40 (API CH-4) SAE 20W-50 (API CF-4)	MACH 5 DIESEL SAE 15W-40/20W-50 (API CF-4)	DIESEL TURBO SAE 15W-40/20W-50 (API CH-4/CF-4) DIESEL 300 SAE 15W-40 (API CF)	QUARTZ DIESEL 4000 SAE 20W-50 (API CF-4)	FURIO POWER DIESEL SAE 15W-40/20W-50 (API CF-4) BANGCHAK D3 MAX SAE 20W-50 (API CF-4)	ENERGY PLUS SAE 20W-50 (API CF-4)	

หมายเหตุ: <sup>1</sup> ผลิตภัณฑ์ PTT Lubricants ให้มาตรฐานสูงกว่า เหมาะสำหรับน้ำมันเชื้อเพลิงดีเซลสูงสุดที่มาตรฐานยูโร 4



# น้ำมันเครื่องดีเซลงานหนักสำหรับรถบัส รถบรรทุก และเครื่องจักรกลหนัก

## HEAVY DUTY DIESEL ENGINE OILS

PTT Lubricants	SHELL	MOBIL	CALTEX	CASTROL	PETRONAS	VALVOLINE	TOTAL	BANGCHAK	ENEOS	PULSAR	TRANE
<b>DYNAMIC EXTRA LONG DRAIN</b> SAE 10W-40 (API CJ-4, ACEA E6/E4/E9/E7, JASO DH-2)	RIMULA R6 LM SAE 10W-40 (API CK-4, ACEA E6/E9/E7) RIMULA R6 MS SAE 10W-40 (ACEA E4/E7)	DELVAC 1 SAE 5W-40 (API CI-4 PLUS, ACEA E4/E7) DELVAC XHP LE SAE 10W-40 (API CI-4) DELVAC XHP ESP SAE 10W-40 (API CK-4, ACEA E6/E4/E9/E7)	-	VECTON LONG DRAIN SAE 10W-40 (API CI-4, ACEA E4/E7)	URARIA 5000 LS SAE 10W-40 (API CK-4, ACEA E6/E7/E9)	-	-	-	-	LONG LIFE ULTRA SAE 5W-30 (API CJ-4)	DEFENDER S8 LONG DRAIN SAE 10W-40 (API CK-4)
<b>DYNAMIC SYNTEC</b> SAE 15W-40 (API CK-4, ACEA E9/E7, JASO DH-2)	RIMULA R5 LE SAE 10W-40 (API CK-4, ACEA E9/E7)	-	DELO 400 SLK/ DELO 400 SDE SAE 15W-40 (API CK-4, ACEA E9)	-	-	-	-	FURIO SYNTHETIC TECHNOLOGY DIESEL LONG LIFE SAE 15W-40 (API CK-4, ACEA E9)	TURBO COMMONRAIL SAE 15W-40 (API CJ-4) <sup>2</sup>	-	-
<b>DYNAMIC COMMONRAIL</b> SAE 10W-30/15W-40 (API CI-4, ACEA A3/B4/E7)	RIMULA R4 PLUS SAE 15W-40 (API CI-4, ACEA E7)	Mobil Delvac Modern™ 15W-40 Super Fleet (API CI-4, JASO DH-1, ACEA E7)	-	-	URANIA 3000 X SAE 15W-40 (API CI-4, ACEA E7)	POWER MAX SERIES 7 SAE 15W-40 (API CI-4, ACEA E7)	RUBIA POLYTRAFIC SAE 10W-40 (ACEA E7 A3/B3 A3/B4, API CI-4/CH-4/SJ)	D3 TURBO PLUS SAE 15W-40 (API CI-4/SL)	-	LONG LIFE GOLD PLUS SAE 15W-40 (API CI-4/SL) LONG LIFE XLD SAE 15W-40 (API CI-4/SL)	DEFENDER S7 SAE 15W-40/20W-50 (API CI-4/SL, DH-1-17, E7-16) DEFENDER S4 SAE 15W-40/20W-50 (API CH-4/SJ1)
<b>DYNAMIC ULTRA PLUS</b> SAE 15W-40 (API CK-4, ACEA E9/E7, JASO DH-2)	RIMULA R4 L SAE 15W-40 (API CK-4, ACEA E9/E7)	DELVAC MODERN 15W-40 FULL PROTECTION SAE 15W-40 (API CK-4, ACEA E9)	DELO 400 SLK SAE 15W-40 (API CK-4, ACEA E11) DELO 400 MGX SAE 15W-40 (API CJ-4, ACEA E9) <sup>2</sup>	-	URANIA 3000 LS SAE 15W-40 (API CJ-4, ACEA E9/E7) <sup>2</sup>	-	RUBIA TIR 7900 SAE 15W-40 (API CJ-4, ACEA E9) <sup>2</sup>	-	-	-	-
<b>DYNAMIC PLUS</b> SAE 15W-40/20W-50 (API CI-4, ACEA E7, JASO DH-1)	RIMULA R4 X SAE 15W-40/20W-50 (API CI-4, ACEA E7) RIMULA R3 MV SAE 15W-40 (API CI-4, ACEA E7)	DELVAC MODERN 15W-40 SUPER DEFENSE/ DELVAC MX SAE 15W-40 (API CI-4, ACEA E7)	DELO GOLD ULTRA SAE 15W-40/20W-50 (API CI-4, ACEA E7)	VECTON/ CRB TURBOMAX SAE 15W-40 (API CI-4, ACEA E7)	URANIA 3000 SAE 15W-40 (API CI-4, ACEA E7) URANIA 1000 SAE 20W-50 (API CH-4, ACEA E7) <sup>1</sup>	POWER MAX SERIES 6 SAE 15W-40 (API CI-4, ACEA E7) POWER MAX SERIES 5 PLUS SAE 15W-40/20W-50 (API CH-4, ACEA E2) <sup>1</sup>	RUBIA TIR 7400 SAE 15W-40 (API CI-4, ACEA E7) RUBIA WORKS 1000 SAE 15W-40 (API CI-4, ACEA E7, JASO DH-1)	D3 LONG LIFE SAE 15W-40 (API CI-4 PLUS) D3 COMMONRAIL SAE 15W-40 (API CH-4, ACEA A3/B4/E7)	-	LONG LIFE GOLD SAE 15W-40/20W-50 (API CI-4/SL)	DEFENDER S5 SAE 15W-40 (API CI-4/SL) DEFENDER S5 HIGH MILEAGE SAE 20W-50 (API CH-4/SL)
<b>DYNAMIC FLEET</b> SAE 15W-40/20W-50 (API CI-4)	HD4 SAE 15W-40 (API CI-4) RIMULA R3 TURBO SAE 20W-50 (API CH-4, ACEA E2)	DELVAC LEGEND CH-4 15W-40 HEAVY DUTY SAE 15W-40 (API CH-4)	DELO FLEETPRO ULTRA SAE 15W-40 (API CI-4) DELO GOLD MULTIGRADE SAE 15W-40/20W-50 (API CH-4, ACEA E3) SAE 20W-50 (API CH-4)	CRB TURBOMAX SAE 20W-50 (API CH-4)	URANIA 1000E SAE 15W-40 (API CH-4)	POWER MAX SERIES 5 PLUS SAE 15W-40/20W-50 (API CH-4, ACEA E2)	RUBIA FLEET HD 700 SAE 15W-40 (API CI-4) RUBIA FLEET HD 500 SAE 15W-40/20W-50 (API CH-4)	-	DIESEL PLUS SAE 15W-40 (API CI-4)	-	-
<b>DYNAMIC</b> SAE 15W-40/20W-50 (API CF-4, ACEA E2)	RIMULA R2 EXTRA SAE 15W-40/20W-50 (API CF-4)	DELVAC LEGEND 20W-50 STANDARD DEFENSE SAE 20W-50 (API CF-4) DELVAC SUPER 1300 SAE 15W-40 (API CF-4, ACEA E2) DELVAC SUPER SAE 15W-40/20W-50 (API CF-4)	DELO SILVER MULTIGRADE SAE 15W-40/20W-50 (API CF-4) SUPER DIESEL OIL SAE 15W-40 (API CF)	CRB MULTI SAE 20W-50 (API CF-4)	URANIA 800 SAE 15W-40/20W-50 (API CF-4)	POWER MAX SERIES 3 PLUS SAE 20W-50 (API CF-4)	RUBIA FLEET HD 300 SAE 15W-40/20W-50 (API CF-4) RUBIA XT SAE 15W-40 (API CF-4, ACEA E2)	D3 MAX SAE 15W-40/20W-50 (API CF-4) DIESEL TD-1 SAE 15W-40/20W-50 (API CF-4)	-	LONG LIFE Z-7 SAE 15W-40/20W-50 (API CF-4/SG)	DEFENDER S3 SAE 15W-40/20W-50 (API CF-4)
<b>D-3 PLUS</b> SAE 30/40/50 (API CF/CF-2, ACEA E2)	RIMULA R3+ SAE 30/40/50 (API CF) RIMULA R2 SAE 30/40 (API CF)	DELVAC LEGEND 1330/ DELVAC 1330 SAE 30 DELVAC LEGEND 1340/ DELVAC 1340 SAE 40 DELVAC LEGEND 1350/ DELVAC 1350 SAE 50 (API CF)	DELO GOLD MONOGRADE SAE 30/40 (API CF, ACEA E2) DELO SILVER MONOGRADE SAE 30/40/50 (API CF) SUPER DIESEL OIL SAE 15W-40 (API CF)	CRB MONOGRADE SAE 30/40 (API CF)	URANIA 500 SAE 30/40/50 (API CF)	-	RUBIA S SAE 30 (API CF) RUBIA FLEET HD 200 SAE 30/40/50 (API CF)	FURIO MAX DIESEL SAE 40 (API CF) D3 EXTRA PLUS SAE 30/40/50 (API CF) D3 J SAE 30/40/50 (API CD)	-	SUPER HD SAE 30/40/50 (API CD/SF)	DEFENDER HD EO SAE 30/40/50 (API CD/SD)
<b>DYNAMIC NGV-MA</b> SAE 15W-40/20W-50 (JASO DH-2)	RIMULA R3 NG SAE 15W-40 (CUMMINS CES 20074) RIMULA R2 NG SAE 15W-40 (API CF)	-	DELO 400 NG SAE 15W-40 (CUMMINS CES 20074) DELO GOLD NG SAE 15W-40 (CUMMINS CES 20074)	CRB CNG LA SAE 15W-40 (CUMMINS CES 20074) CRB CNG MA SAE 15W-40 (JASO DH-2)	-	GEO ULTRA SAE 15W-40 (CUMMINS CES 20074)	-	-	-	-	-

# น้ำมันเครื่องสำหรับรถจักรยานยนต์ 4 จังหวะ 4-STROKE MOTORCYCLE OILS

ptt Lubricants	MOTUL	REPSOL	SHELL	CASTROL	CALTEX	VALVOLINE	ELF	TOTAL	LUQUI MOLY	MOBIL	BANGCHAK	OEMs
<b>CHALLENGER SUPER BIKE RACING</b> SAE 10W-40/10W-50 (JASO MA2, API SN)	300V2 4T FACTORY LINE ROAD/OFF ROAD SAE 10W-50 (JASO MA) 300V 4T FACTORY LINE ROAD RACING SAE 5W-40/10W-40/ 15W-50 (JASO MA)	-	-	-	-	-	-	-	-	-	-	-
<b>CHALLENGER SUPER BIKE</b> SAE 10W-40 (JASO MA2, API SN)	7100 4T SAE 10W-30/ 5W-40/10W-40 (JASO MA2, API SN)	MOTO RACING 4T SAE 10W-40 (JASO MA2, API SN)	-	-	-	-	-	-	-	-	-	-
<b>CHALLENGER SYNTHETIC 4T</b> SAE 10W-40/15W-50 (JASO MA2, API SN)	H-TECH 100 SAE 10W-40 (JASO MA2, API SN)	MOTO SINTETICO 4T MOTO OFFROAD 4T SAE 10W-40 (JASO MA2, API SN)	ADVANCE 4T ULTRA SAE 10W-40/15W-50 (JASO MA2, API SN) ADVANCE 4T POWER SAE 15W-50 (JASO MA2, API SN) ADVANCE 4T CITY SAE 10W-40 (JASO MA2, API SN)	POWER 1 RACING 4T SAE 10W-40/10W-50 (JASO MA2, API SN) POWER 1 ULTIMATE 4T SAE 10W-40/10W-50 (JASO MA2, API SN)	HAVOLINE SUPER 4T FULLY SYNTHETIC SAE 5W-40 (JASO MA2, API SN)	VR1 RACING OIL 4T SAE 10W-40/10W-50 (JASO MA2, API SN)	MOTO 4 TECH SAE 10W-50 (JASO MA2, API SN)	HI-PERF 4T RACING SAE 10W-50 (JASO MA2, API SN)	MOTORBIKE 4T SYNTH STREET RACE SAE 10W-40/10W-50 (JASO MA2, API SN PLUS)	MOBIL 1 RACING 4T SAE 10W-40/15W-50 (JASO MA2, API SN)	FURIO SUPER1 10W-40 (JASO MA2, API SN)	YAMALUBE RS4GP SAE 10W-40 (JASO MA2, API SL)
<b>CHALLENGER 4T</b> SAE 10W-30/10W-40/15W-50 (JASO MA2, API SL)	5000 4T SAE 10W-30/ 10W-40/15W-50 (JASO MA2, API SL)	MOTO SPORT 4T SAE 10W-30/ 10W-40/15W-50 (JASO MA2, API SL)	ADVANCE 4T AX7 SAE 10W-30/ 10W-40/15W-50 (JASO MA2, API SN)	POWER 1 4T SAE 10W-30 (JASO MA2, API SL) POWER 1 AUTOMATIC 4-AT SAE 10W-40 (JASO MA2, API SN)	HAVOLINE SUPER 4T SEMI SYNTHETIC SAE 10W-30/10W-40 (JASO MA2, API SN)	CHAMP EXTRA 4T SAE 10W-30/10W-40 (JASO MA2, API SL)	MOTO 4 MAXI TECH SAE 10W-30 (JASO MA, API SJ)	HI-PERF 4T SPORT+ SAE 10W-40 (JASO MA2, API SN)	MOTORBIKE 4T STREET SAE 10W-30/10W-40 (JASO MA2, API SN PLUS) MOTORBIKE 4T STREET PLUS SAE 15W-50 (JASO MA2, API SL)	SUPER MOTO SAE 10W-40 (JASO MA2, API SL)	FURIO MOTO 4T SAE 10W-40 (JASO MA2, API SN)	HONDA PROTECH GOLD 4T (BLUE) SAE 10W-30 (JASO MA) YAMALUBE SPORT PLUS SAE 10W-40 (JASO MA2, API SL)
<b>CHALLENGER SCOOTER</b> SAE 10W-30 (JASO MB, API SL)	SCOOTER EXPERT LE 4T SAE 10W-30 (JASO MB, API SL)	MOTO MATIC 4T SAE 10W-30 (JASO MB, API SJ)	ADVANCE AX7 4T SCOOTER SAE 10W-30 (JASO MB, API SM)	ACTIV SCOOTER 4-AT SAE 10W-30 (JASO MB, API SL)	HAVOLINE SUPERMATIC 4T SEMI SYNTHETIC SAE 10W-30 (JASO MB, API SN)	CHAMP EXTRA 4AT SAE 10W-30 (JASO MB, API SL)	-	-	-	-	-	HONDA PROTECH GOLD 4AT SAE 10W-30 (JASO MB)
<b>CHALLENGER 4T-AT</b> SAE 10W-40 (JASO MB, API SL)	SCOOTER EXPERT LE 4T SAE 10W-40 (JASO MB, API SM)	MOTO SCOOTER MB 4T SAE 10W-40 (JASO MB, API SL)	ADVANCE 4T AX7 SCOOTER SAE 10W-40 (JASO MB, API SN)	POWER 1 AUTOMATIC 4-AT SAE 10W-40 (JASO MA2, API SN)	HAVOLINE SUPERMATIC 4T SEMI SYNTHETIC SAE 10W-40 (JASO MB, API SN)	-	SCOOTER 4 CITY SAE 10W-40 (JASO MB, API SL)	-	MOTORBIKE 4T SCOOTER SAE 10W-40 (JASO MB, API SL)	SUPER MOTO SCOOTER SAE 10W-40 (JASO MB, API SL)	FURIO MOTO 4T AT SAE 10W-40 (JASO MB, API SL)	YAMALUBE R.E.D. YAMALUBE BLUE CORE SAE 10W-40 (JASO MB)
<b>HI-SPEED 4T</b> SAE 20W-40 (JASO MA2, API SJ)	3000 4T PLUS SAE 10W-40 (JASO MA2, API SJ)	MOTO SPEED 4T SAE 20W-40 (JASO MA, API SJ)	ADVANCE AX5 4T SAE 20W-40 (JASO MA, API SL)	GO! 4T SAE 20W-40 (JASO MA2, API SG) ACTIV 4T SAE 20W-40 (JASO MA2, API SL) ACTIV AUTOMATIC 4-AT SAE 10W-40 (JASO MA2, API SG)	HAVOLINE EZY 4T SAE 20W-40 (JASO MA2, API SG)	CHAMP 4T SAE 20W-40 (API SF)	MOTO 4 SAE 20W-40 (API SF)	HI-PERF 4T MCO SAE 20W-40 (API SF)	-	SUPER MOTO SAE 20W-40 (JASO MA2, API SL)	SUPER 4T PLUS GEAR SAE 20W-40 (JASO MA, API SJ)	YAMALUBE 4T SAE 20W-40 (JASO MA)
<b>MAX SPEED 4T</b> SAE 40 (API SF)	-	-	ADVANCE AX3 4T SAE 40 (API SG)	ACTIV ESSENTIAL 4T SAE 40 (API SF)	HAVOLINE 4T SAE 40 (JASO MA2, API SG)	V SPEED 4T SAE 40 (API SF) CHAMP 4T SAE 20W-40 (API SF)	MOTO 4 SAE 40/20W-40 (API SF)	HI-PERF 4T MCO SAE 40/20W-40 (API SF)	-	-	FURIO POWER 4T SAE 40 (API SF) SUPER 4T POWER SAE 40 (API SF)	HONDA PROTECH 4T (RED) SAE 30 (JASO MA) YAMALUBE-4T SAE 40 (JASO MA)



## น้ำมันเครื่องสำหรับรถจักรยานยนต์ 2 จังหวะ 2-STROKE MOTORCYCLE OILS

ptt Lubricants	MOTUL	REPSOL	SHELL	CASTROL	CALTEX	ELF	TOTAL	BANGCHAK	OTHERS
<b>CHALLENGER SYNTHETIC 2T</b> (JASO FD, ISO EGD, API TC)	710 2T (JASO FD)	MOTO COMPETICIÓN 2T (JASO FD)	ADVANCE ULTRA 2 (JASO FD)	POWER 1 RACING 2T (JASO FD)	-	MOTO 2 TECH (JASO FD, API TC)	-	-	VELOIL STREET POWER SYNTHETIC 2T (JASO FD)
<b>CHALLENGER 2T</b> (JASO FD, ISO EGD, API TC)	510 2T (JASO FD)	MOTO SINTÉTICO 2T (JASO FD)	ADVANCE VSX 2T (JASO FD)	POWER 1 2T (JASO FD)	-	-	-	FURIO MOTO 2T (JASO FD, API TC) SUPER 2T (JASO FD, API TC)	-
<b>HI-SPEED 2T</b> (JASO FC, API TC)	-	-	-	GO! 2T (JASO FC)	HAVOLINE POWER 2T (JASO FC)	MOTO 2 HP ECO (JASO FC, API TC)	2T MAX MULTI (JASO FC, API TC)	-	VELOIL SUPER 2T (JASO FC) YAMALUBE 2T (JASO FC)
<b>MAX SPEED 2T</b> (TIS 1040-1998)	100 2T (JASO FB)	MOTO TOWN 2T (JASO FB)	ADVANCE SX 2T (JASO FB) ADVANCE SX2 MOLLA 2T (JASO FB)	-	HAVOLINE PLUS 2T (JASO FB)	-	-	-	-

## น้ำมันเกียร์ธรรมดา เฟืองท้ายและระบบส่งกำลัง TRANSMISSION FLUIDS

ptt Lubricants	SHELL	MOBIL	CALTEX	CASTROL	PETRONAS	VALVOLINE	TOTAL	BANGCHAK	OTHERS
<b>SYNTHETIC GEAR LS</b> SAE 75W-90 (API GL-5)	SPIRAX S6 AXME SAE 75W-90 (API GL-5)	DELVAC 1 GEAR OIL LS SAE 75W-90 (API GL-5) DELVAC 1 GEAR OIL SAE 75W-90 (API GL-5)	-	-	-	SYNPOWER GEAR OIL SAE 75W-90 (API GL-5)	TRANSMISSION DUAL 9 FE SAE 75W-90 (API GL-5)	-	MOTUL GEAR FF LSD TYPE2 SAE 75W-90 (API GL-5)
<b>LIMITED SLIP GEAR OIL</b> SAE 80W-90/85W-140 (API GL-5)	SPIRAX S3 ALS SAE 80W-90 (API GL-5) SPIRAX S2 ALS SAE 90 (API GL-5)	MOBILUBE HD LS SAE 80W-90 (API GL-5)	-	AXLE Z LIMITED SLIP SAE 90 (API GL-5) TRANSMAX AXLE LIMITED SLIP Z SAE 85W-90 (API GL-5)	-	HP GEAR OIL SAE 80W-90/85W-140 (API GL-5)	-	FURIO SUPER GEAR GL-5 SAE 80W-90/85W-140 (API GL-5)	PULZAR LS GEAR MAX SAE 85W-140 (API GL-5)
<b>MTF 5W-30</b> SAE 5W-30 (75W-85) (API GL-4)	-	-	-	TRANSMAX MANUAL SAE 75W-85 (API GL-4)	TUTELA TRANSMISSION MATRIX SAE 75W-85 (API GL-4)	SYNCHROMESH MTF GEAR OIL SAE 75W-85 (API GL-4)	TRAXIUM GEAR 6 SAE 75W-85 (API GL-4)	-	ISUZU BESCO TRANSAXLE SAE 5W-30 NISSAN MTF HQ MULITI SAE 75W-85 (API GL-4) MITSUBISHI MTF SAE 75W-85W KIXX GEARTEC MTF SAE 75W-85 (API GL-4)

# น้ำมันเกียร์ธรรมดา เพื่อถ่ายและระบบส่งกำลัง

## TRANSMISSION FLUIDS

ptt Lubricants	SHELL	MOBIL	CALTEX	CASTROL	PETRONAS	VALVOLINE	TOTAL	BANGCHAK	OTHERS
<b>GL-5</b> SAE 90/80W-90/140/85W-140 (API GL-5)	SPIRAX S3 AX SAE 80W-90/85W-140 (API GL-5) SPIRAX S2 A SAE 90/140 (API GL-5)	MOBILUBE HD SAE 80W-90/85W-140 (API GL-5)	THUBAN GL-5 SAE 90/140 (API GL-5) DELO GEAR EP-5 SAE 80W-90/85W-140 (API GL-5) GEAR OIL GL-5 SAE 80W-90/85W-140 (API GL-5)	AXLE GL-5 SAE 80W-90/85W-140 (API GL-5) TRANSMAX AXLE SAE 80W-90/85W-140 (API GL-5)	TUTELA AXLE 300 SAE 80W-90/85W-140 (API GL-5) GL-5 SAE 80W-90/85W-140 (API GL-5)	HP GEAR OIL GL-5 SAE 80W-90/85W-140 (API GL-5)	TRANSTEC 5 SAE 80W-90/85W-140 (API GL-5)	FURIO SUPER GEAR GL-5 SAE 90/140 (API GL-5) BANGCHAK SUPER GEAR GL-5 SAE 90/80W-90/140/85W-140 (API GL-5)	PULZAR EP GEAR GL-5 SAE 90 (API GL-5)
<b>G-100</b> SAE 90/80W-90/140 (API GL-4)	SPIRAX S2 G SAE 90/80W-90/140 (API GL-4)	MOBILUBE GX SAE 80W-90/140 (API GL-4)	THUBAN GL-4 SAE 90/140 (API GL-4) DELO GEAR EP-4 SAE 90/140 (API GL-4)	MANUAL GL-4 SAE 80W-90/85W-140 (API GL-4) TRANSMAX MANUAL SAE 80W-90/85W-140 (API GL-4)	GL-4 SAE 90/80W-90/140 (API GL-4)	GEAR GARD SAE 80W-90 (API GL-4)	TRANSTEC 4 SAE 75W-90/85W-90 (API GL-4)	SUPER GEAR GL-4 SAE 90/140 (API GL-4)	-
<b>GL-1</b> SAE 90/140 (API GL-1)	-	-	-	-	-	-	-	SUPER GEAR GL-1 SAE 90/140 (API GL-1)	-
<b>POWERTRANS</b> SAE 10W/30/50 (CAT TO-4)	SPIRAX S4 CX SAE 10W/30/50 (CAT TO-4)	MOBILTRANS HD SAE 10W/30/50 (CAT TO-4)	DELO TORQFORCE SAE 10W/30/50 (CAT TO-4) TORQUE FLUID 4N4 SAE 10W/30/50 (CAT TO-4)	TFC 4N0 SAE 10W/30 (CAT TO-4) TRANSMAX OFFROAD SAE 30/50 (CAT TO-4)	POWERTRAN T4 SAE 10W/30 (CAT TO-4)	DRIVETRAIN TRANSMISSION OIL SAE 10W/30/50 (CAT TO-4)	-	TRANSMISSION FLUID SAE 10W/30/50 (CAT TO-4)	CAT TDTO SAE 10W/30/50 (CAT TO-4)
<b>POWERTRAC SUPER PLUS</b> SAE 10W-30 (KUBOTA UDT)	SPIRAX S4 TXM SAE 10W-30 (API GL-4)	MOBILFLUID 424 (API GL-4)	1000 THF (KUBOTA UDT, JOHN DEERE J20C) TDH PREMIUM (API GL-4)	1000 THF (KUBOTA UDT) TRANSMAX AGRI TRANS PLUS SAE 80W	-	UNITRAC FR (KUBOTA UDT, JOHN DEERE J20C)	-	SUPER TRAC ULTRA SAE 10W-30 (JOHN DEERE J20C/J20D) TORQUE FLUID ISO VG 68 (JOHN DEERE, CAT TO-2)	KUBOTA SUPER UDT
<b>POWERTRAC 7884</b> SAE 30 (Ford, Massey Ferguson, John Deere)	-	-	-	-	TRACTOR OIL 7884	-	-	SUPERTRAC 7884	-
<b>D-3 HYDRAULIC</b> SAE 10W (CAT TO-2)	RIMULA R3 SAE 10W (API CF) RIMULA R2 SAE 10W (API CF)	HYDRAULIC 10W SAE 10W (API CD) DELVAC HYDRAULIC SAE 10W (API CC/SC)	DELO 300 SAE 10W (API CF) DELO SILVER MONOGRADE SAE 10W (API CF)	CRB MONOGRADE SAE 10W (API CF) CRD HYDRAULIC SAE 10W (API CD/SE)	-	-	RUBIA FLEED HD 200 SAE 10W (API CF)	HYDRAULIC 10W SAE 10W (API CF)	-

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# AUTOMATIC TRANSMISSION AND CVT FLUIDS

ptt Lubricants	SHELL	MOBIL	CALTEX	CASTROL	J-OEMs	J-OEMs	EU-OEMs	TOTAL	BANGCHAK	OTHERS
<b>AUTOMAT CVT</b>	SPIRAX S5 CVT X	-	HAVOLINE FULL SYNTHETIC CVT FLUID	TRANSMAX CVT	TOYOTA CVT FLUID TC/FE HONDA CVT FLUID HMMF/ HCF-2	NISSAN CVT FLUID NS-2/ NS-3 MITSUBISHI CVTF 3320	MB CVT28/236.20	FLUIDMATIC CVT MV	SYNTHETIC CVT	MOTUL CVTF VALVOLINE CVT PETRONAS TUTELA MULTI CVT 700
<b>AUTOMAT ATF LV-1 (JASO 1A LV)</b>	SPIRAX S6 ATF X (JASO 1A LV, GM DEXRON VI)	SUPER DEXRON-VI ATF (GM DEXRON VI)	HAVOLINE FULL SYNTHETIC MULTI-VEHICLE ATF (JASO 1A LV, GM DEXRON VI)	TRANSMAX ATF DEXRON-VI MERCON LV MULTIVEHICLE (JASO 1A LV)	TOYOTA ATF WS HONDA ATF DW-1	NISSAN ATF Matic-S MAZDA FZ	MB ATF 236.15 ZF LIFEGUARD FLUID 8	FLUIDMATIC MV LV (JASO 1A LV, GM DEXRON VI)	-	MOTUL ATF ULV (GM DEXRON VI) VALVOLINE MAXLIFE ATF (JASO 1A LV, GM DEXRON VI) VALVOLINE MAXLIFE MULTI VEHICLE
<b>AUTOMAT ATF-1A (JASO 1A, GM DEXRON IIIH)</b>	SPIRAX S5 ATF X (JASO 1A, DEXRON IIIH)	MOBIL 1 SYNTHETIC ATF (JASO 1A, GM DEXRON III) MULTI-VEHICLE ATF (JASO 1A, GM DEXRON III) SUPER MULTI-VEHICLE ATF (GM DEXRON VI) ATF/FTA 3309 (JWS 3309, GM 9986195) ATF +4 (Chrysler MS-9602)	HAVOLINE ATF-J (JASO 1A, GM DEXRON III)	TRANSMAX ATF DEX/MERC MULTIVEHICLE (JASO 1A, GM DEXRON IIIH) TRANSMAX MULTIVEHICLE (JASO 1A, GM DEXRON IIIH)	TOYOTA ATF TYPE T-IV HONDA ATF Z-1	NISSAN ATF Matic-K MAZDA ATF-MV	MB ATF 236.9 BMW LT71141	FLUIDMATIC MV (JASO 1A, GM DEXRON IIIH)	BANGCHAK/FURIO ATF-1A (JASO 1A, GM DEXRON IIIH)	MOTUL ATF 1A (JASO 1A, GM DEXRON III) VALVOLINE ATF+4
<b>AUTOMAT (GM DEXRON IIIH)</b>	SPIRAX S3 ATF MD3 (GM DEXRON IIIH) SPIRAX S2 ATF D2 (GM DEXRON IID) SPIRAX S1 ATF TASA	MULTIPURPOSE ATF (GM DEXRON III) ATF 220 (GM DEXRON II) ATF D/M (GM DEXRON III)	TEXAMATIC 1888 (GM DEXRON III)	ATF DEX III (GM DEXRON IIIH) ATF DEX II (GM DEXRON IID)	-	-	-	-	ATF DEXRON III (GM DEXRON IIIH) ATF DEXRON IID (GM DEXRON IID)	VALVOLINE ATF DEXRON III / MERCON (GM DEXRON IIIH)

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# OUTBOARD ENGINE OILS

ptt Lubricants	SHELL	IDEMITSU	MOBIL	CALTEX	CASTROL	VALVOLINE	PETRONAS	TOTAL	BANGCHAK	OTHERS
<b>MARINE PRO SYNTHETIC RACING (4 Stroke Engine) SAE 5W-40 (API SN)</b>	-	EXTREME PRO SAE 5W-40 (API SN)	-	-	-	-	-	-	FURIO FULLY SYNTHETIC MARINE SAE 5W-40 (API SN, ACEA A3/B4)	AMSOIL SYNTHETIC MARINE ENGINE OIL SAE 10W-40 (NMMA FC-W)
<b>POWER-R OUTBOARD (2 Stroke Engine) (NMMA TC-W3)</b>	NAUTILUS PREMIUM OUTBOARD OIL (NMMA TC-W3)	-	-	-	SUPER OUTBOARD PLUS (NMMA TC-W3)	SUPER OUTBOARD 2T (NMMA TC-W3)	-	NEPTUNA 2T SUPER SPORT (NMMA TC-W3)	-	QUICKSILVER PREMIUM PLUS 2-STROKE MARINE ENGINE OIL (NMMA TC-W3)
<b>MAX OUTBOARD (2 Stroke Engine) (NMMA TC-W3)</b>	NAUTILUS 2-CYCLE (NMMA TC-W3)	2 CYCLE OUTBOARD (NMMA TC-W3)	OUTBOARD PLUS (NMMA TC-W3)	SUPER OUTBOARD 3 (NMMA TC-W3)	OUTBOARD 2T (NMMA TC-W3)	OUTBOARD 2 CYCLE (NMMA TC-W3) 2-STROKE OUTBOARD MARINE OIL (NMMA TC-W3)	OUTBOARD SPECIAL (NMMA TC-W3)	COASTLINER SUPER 2T OUTBOARD (NMMA TC-W3)	OUTBOARD (NMMA TC-W3)	YAMALUBE 2M OUTBOARD (NMMA TC-W3) QUICKSILVER PREMIUM 2-STROKE ENGINE OIL (NMMA TC-W3)



## น้ำมันเครื่องดีเซลสำหรับเรือประมง

# FISHERY DIESEL ENGINE OILS



PTT	SHELL	CALTEX	CASTROL	PETRONAS	BANGCHAK	OTHERS
<b>SEATECH 6500</b> SAE 15W-40/20W-50 (API CI-4, ACEA E7)	SIRIUS S4 SAE 15W-40/20W-50 (API CI-4, ACEA E7)	-	-	NAUTIMAR FBO ULTIMO SAE 15W-40 (API CI-4, ACEA E7)	-	CAT DEO SAE 15W-40 (API CI-4)
<b>SEATECH 6000</b> SAE 15W-40/20W-50 (API CH-4, ACEA E7)	SUPER MARINE S3 SAE 15W-40 (API CH-4, ACEA E2)	STAR MARINE 600 SAE 15W-40 (API CH-4)	SEAMAX SUPER PLUS SEAMAX POWER SAE 15W-40 (API CH-4)	-	NAVA D 9 SAE 15W-40/20W-50 (API CH-4, ACEA E2)	-
<b>SETECH 5000</b> SAE 15W-40/20W-50 (API CF-4, ACEA E2)	SUPER MARINE S2 SAE 20W-50 (API CF-4)	STAR MARINE 500 SAE 20W-50 (API CF-4)	SEAMAX SUPER PLUS SAE 20W-50 (API CF-4)	NAUTIMAR FBO SUPER SAE 20W-50 (API CF-4)	NAVA D 7 SAE 15W-40/20W-50 (API CF-4)	-
<b>SETECH 4000</b> SAE 40 (API CF, ACEA E2) (High TBN)	-	-	-	-	-	-
<b>SETECH 3000</b> SAE 40 (API CF, ACEA E2)	MARINE 40 SAE 40 (API CF)	STAR MARINE 400 SAE 40 (API CF)	SEAMAX STANDARD SAE 40 (API CF)	-	NAVA D 5 SAE 40 (API CF)	-



## น้ำมันเบรก

# BRAKE FLUIDS

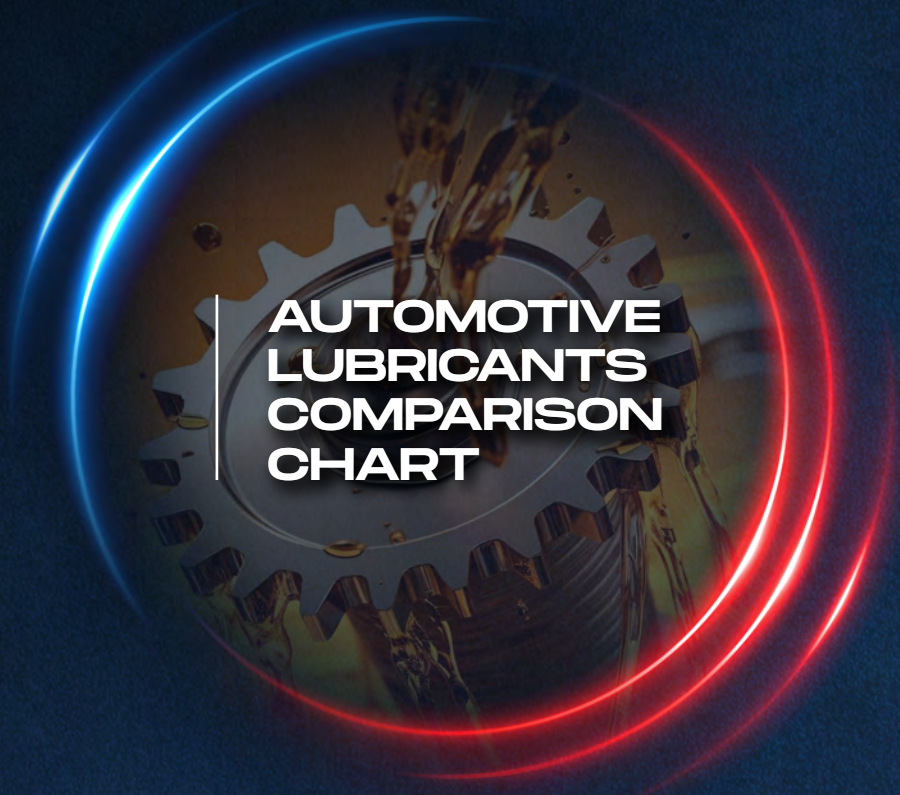


PTT	SHELL	MOBIL	CALTEX	CASTROL	PETRONAS	VALVOLINE	TOTAL	BANGCHAK	OTHERS
<b>SYNTHETIC BRAKE FLUID DOT 4</b> (SAE J1704)	BRAKE & CLUTCH FLUID DOT 4 (SAE J1704)	BRAKE FLUID DOT 4 (SAE J1704)	BRAKE FLUID DOT 4 (SAE J1704)	REACT PERFORMANCE DOT 4 (SAE J1704) BRAKE FLUID DOT 4 (SAE J1704)	TUTELA TOP 4 (SAE J1704)	SYNTHETIC BRAKE FLUID DOT 4 (SAE J1704)	HBF 4 (SAE J1704)	FURIO BRAKE DOT3/DOT4 500F (SAE J-1703F) BRAKE 500 (SAE J-1703F)	ATE BRAKE FLUID DOT 4 (SAE J1704)
<b>SYNTHETIC BRAKE FLUID DOT 3</b> (SAE J1703)	BRAKE & CLUTCH FLUID DOT 3 (SAE J1703)	BRAKE FLUID DOT 3 (SAE J1703)	BRAKE FLUID DOT 3 (SAE J1703)	BRAKE FLUID DOT 3 (SAE J1703)	TUTELA PLUS 3 (SAE J1703)	SYNTHETIC BRAKE FLUID DOT 3 (SAE J1703)	HBF 3 (SAE J1703)	BRAKE DOT 3 (SAE J1703)	ATE BRAKE FLUID DOT 3 (SAE J1703)



# จาระบี GREASE

ptt Lubricants	SHELL	MOBIL	CALTEX	CASTROL	BP	SUN'SOIL	OTHERS
CALSONEX FG	-	MOBIL GREASE FM 462	-	-	-	-	- TOTAL NEVASTANE XS 320 - FUCHS CASSIDA GREASE HDS - eni Rubus CSX 2 - PURITY FG2 SYNTHETIC HEAVY 220 - Bel-Ray No-Tox Food Grade Synthetic Extreme Pressure Grease 2
MOLY-PLEX SMR GREASE	GADUS S4 V2600 AD	-	Talcor Mill Brass Compound	Metalube BGH 47	-	-	WHITMORE BUSHING LUBRICANT
MOLY-PLEX GREASE NLGI 2	GADUS S3 V460D 2	MOBIL GREASE XHP 462 MOLY NLGI 2	DELO STARPLEX MOLY 5% EP NLGI 2	-	ENERGREASE LC2-M	-	TRANE LITHIUM COMPLEX MOLY
MOLY-EP GREASE NLGI 2	GADUS S2 V220D 2	MOBIL GREASE SPECIAL 2	MULTIFAK MOLY EP NLGI 2	MOLY GREASE NLGI 2	ENERGREASE LMS-EP 23	-	PULZAR Z-3
LI-PLEX GREASE NLGI 2/3	GADUS S3 V220C 2	MOBIL UNIREX N2/3 MOBIL GREASE XHP 222/223 NLGI 2/3	DELO STARPLEX EP NLGI 2/3 DELO GREASE ESI EP NLGI 2	LMX GREASE 2 HIGH TEMPERATURE GREASE NLGI 2	ENERGREASE LC 2	LITHIUM COMPLEX HI EP	PULZAR Z-4 BANGCHAK COMPLEX EP NLGI 2/3 VALVOLINE EP2 GREASE NLGI 2
EP GREASE NLGI 0/1/2/3	GADUS S2 V220 0/1/2	MOBILUX EP 0/1/2/3	EP GREASE C MULTIFAK EP NLGI 0/1/2/3	SPHEEROL EPL NLGI 0/1/2/3	ENERGREASE LS-EP 0/1/2/3	SPECIAL EP GREASE 2/3	BANGCHAK LILAC EP NLGI 2 PULZAR Z-2 TRANE SUPER LT 3 VALVOLINE EXTREME EP2 GREASE NLGI 2 VALVOLINE PREMIUM MP3 GREASE NLGI 3
MP GREASE NLGI 2/3	GADUS S2 V100 2/3	-	MARFAK MULTIPURPOSE NLGI 2/3	SPHEEROL AP 2/3	ENERGREASE LS 2/3	-	PULZAR Z-1
CHASSIS GREASE NLGI 2/3	-	-	-	-	-	CHASSIS GREASE 2/3	PULZAR HEAVY GREASE CROCODILE SG-406 BANGCHAK/FURIO GREASE CHASSIS NLGI 2
CUP GREASE NLGI 3	-	-	-	-	-	CUP GREASE 3	CROCODILE SG-306



# AUTOMOTIVE LUBRICANTS COMPARISON CHART



☎ สอบถามข้อมูลผลิตภัณฑ์ : 02-239-7847  
☎ ติดต่อฝ่ายขาย : 02-239-7898

f PTT Lubricants Thailand  
globe <https://pttlubricants.pttor.com>  
✉ [pttlubricants@pttor.com](mailto:pttlubricants@pttor.com)



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