

DEVELON

GENUINE OIL

DEVELON Genuine Oil is the sole product certified by DEVELON. Caring your precious machine with DEVELON-Genuine Oil which provides the best quality and reliability.





DEVELON Genuine Oil

Reliable Solutions.....	04
Engine Oil.....	06
Hydraulic Oil.....	08
Gear/Axle/Transmission Oil.....	10
Coolant.....	12
Grease.....	14

RELIABLE SOLUTIONS

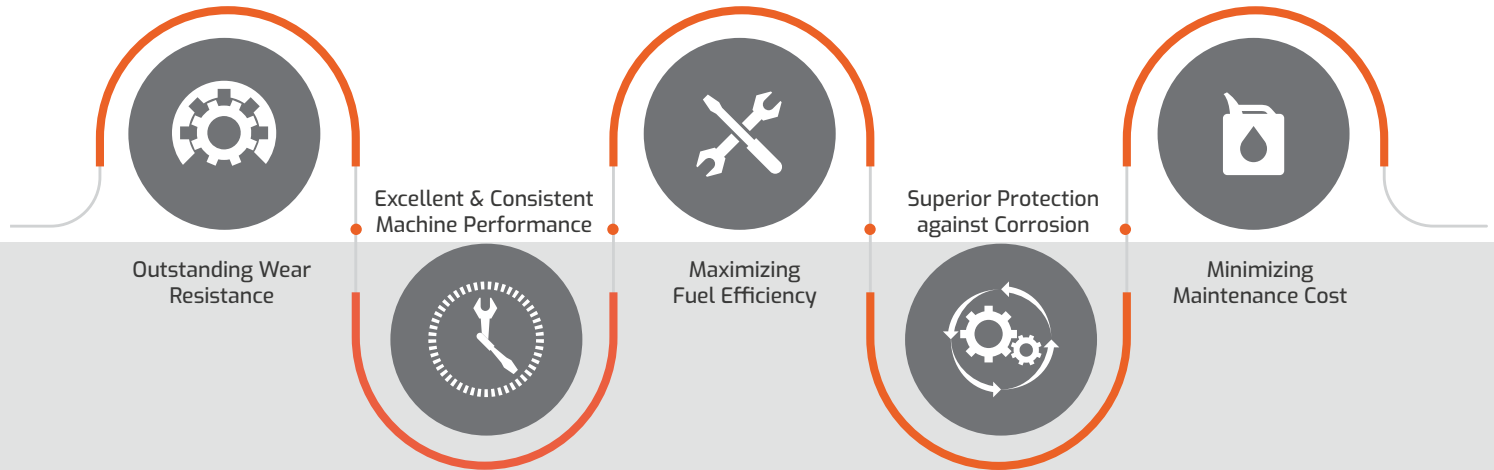
Unlike general lubricants made by oil manufacturer, DEVELON Genuine Oil Products are differently designed and developed through accepted Lab Test, Bench Test and Field Test from the initial manufacturing stage in order to deliver the best performance and meet the requirement of DEVELON equipment.



ITEM	DESCRIPTION	4 X 5L	20L	210L	1000L
Engine Oil	Develon Engine 500H STANDARD 10W30		500210-00336	500210-00337	500210-00338
	Develon Engine 500H STANDARD 15W40	500210-00332	500210-00339	500210-00340	500210-00341
	Develon Engine 1000H PREMIUM 10W40		500210-00329		
Hydraulic Oil	Develon Hydraulic 2000H STANDARD		500208-00140	500208-00141	500208-00144
	Develon Hydraulic 4000H LONG LIFE		500208-00142	500208-00143	
Axle/ Transmission Oil	Develon Axle/Transmission 10W30		941-00700B	941-00701C	
	Develon TM Transmission 10W		941-00502B	941-00503C	
	Develon Drive LS TO W90LS 80W90		941-00504B	941-00501C	
Coolant/Antifreeze	Develon EG COOLANT		941-00599B	941-00600C	

ITEM	DESCRIPTION	400 G X 24	18 KG
Grease	Develon Multi-Purpose Grease	500206-00164	500206-00163

THE BEST CHOICE FOR PRODUCTIVITY AND PROFITABILITY



DEVELON Quality Standard + High Quality Base Oil & High Performance Additives + Harsh Lab/Bench/Field Test

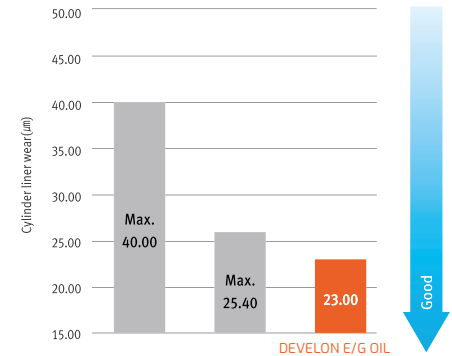
ENGINE OIL

FEATURES

- Satisfies and even exceeds API & ACEA Standard
- Keeps stable viscosity at wide temperature range
- Reduces oil consumption and extends lifetime of the oil
- Best protection for wear of engines maximizing their power
- Excellent dispersion, minimizing the formation of sludge and deposits



CYLINDER WEAR TEST



E/G oil Specification & Part Number Information

DEVELON ENGINE OIL			STANDARD (500 HRS)		PREMIUM (1000HRS)	
SAE Viscosity Grade			10W30	15W40	10W40	
API Service Classification			API CK-4, CJ-4		API CK-4	
Quality Classification			ACEA E7, E9		ACEA E11	
Specification	Specific Gravity @15°C	ASTM D 4052	g/cm ³	0,869	0,875	0,864
	Kinematic Viscosity @40°C, cSt	ASTM D 445	mm ² /s (cSt)	-	120	104,4
	Kinematic Viscosity @100°C, cSt	ASTM D445	mm ² /s (cSt)	12,3	15,5	15,3
	Viscosity Index	ASTM D 2270	-	142	138	155
	Flash Point (°C)	ASTM D 92	°C	>200	>200	224
	Pour Point (°C)	ASTM D 97	°C	<-36	<-36	<-35
	TBN	ASTM D 2896	mgKOH/g	9,7	9,7	9,9
	4 x 5 Liter (Plastic Can)				500210-00332	
	Parts No.	20 Liter (Plastic Can)		500210-00336	500210-00339	500210-00329
210 Liter (Drum)		500210-00337	500210-00340			
1000 Liter (Drum)		500210-00338	500210-00341			

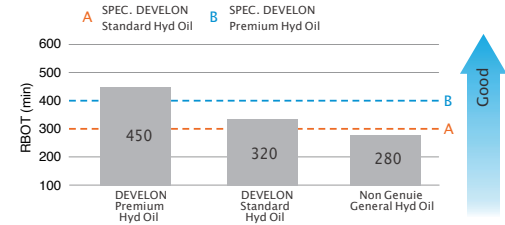
HYDRAULIC OIL

FEATURES

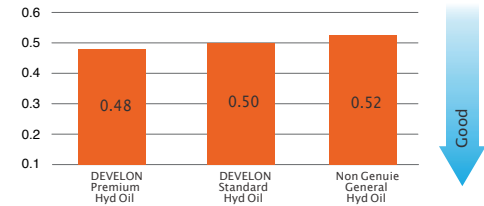
- High filterability: very significant reduction of filter plugging phenomena
- Maintains superior performance under extreme operating conditions
- Excellent thermal stability and oxidation resistance
- Very low deposit formation
- Excellent pumpability/start-ups at low temperatures
- Very high anti-wear properties
- Energy savings, thus reduction in energy costs
- Keeps the system clean
- Excellent water separability



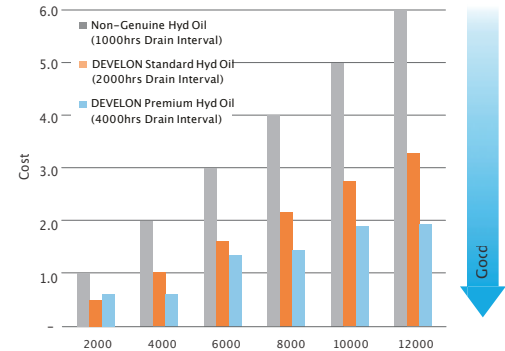
OXIDATION STABILITY



WEAR RESISTANCE



OIL REPLACE COST COMPARISON



HYD oil Specification & Part Number Information

DEVELON HYDRAULIC OIL			STANDARD (2000 HRS)	LONG LIFE (4000HRS)	
Viscosity Index			ISO VG46		
Performance level			DIN 51524 PART 3 HVLP		
Specification	Specific Gravity @15°C	ASTM D 4052	g/cm ³	0.861	0,866
	Kinematic Viscosity @40°C, cSt	ASTM D 445	mm ² /s (cSt)	46	48
	Viscosity Index	ASTM D 2270	-	141	142
	Flash Point (°C)	ASTM D 92	°C	>220	>230
	Pour Point (°C)	ASTM D97	°C	<-39	<-48
	20 Liter (Plastic Can)			500208-00140	500208-00142
Parts No.	210 Liter (Drum)		500208-00141	500208-00143	
	1000 Liter (Drum)		500208-00144		

GEAR/AXLE/TRANSMISSION OIL

FEATURES

- Suitable for a wide range of friction disc materials
- Superior anti-noise and anti-stick-slip properties
- Various types of DEVELON Axle oil satisfy requirements for axles with wet brakes limited slip differentials and gearboxes of DEVELON Loaders



Axle/Gear/Transmission oil by model

	MODEL	SWING & TRAVEL DEVICE	AXLE	TRANSMISSION
CEX-5	DX140LC-5 - DX530LC-5	3		
	DX140W-5 - DX210W-5	3	3	3
WEX-5	DX57W-5	3	3	3
	DL200-5		3	
WLO-5	DL200-5 - DL420-5		1	2
	DL420-5 CVT		1	1
	DL450-5 - DL580-5		1	2
CEX-7	DX225LC-7 - DX800LC-7	3		
WEX-7	DX57W-7		3	3
	DL200-7		3	
WLO-7	DL280-7 - DL420-7		1	2
	DL420CVT-7		1	1
	DL480-7 - DL580-7		1	2

1. Develon Axle/Transmission 10W30
2. Develon TM Transmission 10W
3. Develon Drive LS TO W90LS 80W90

Gear&TM oil Specification & Part Number Information

DEVELON AXLE / GEAR / TRANSMISSION OIL			AXLE/TRANSMISSION	TM TRANSMISSION	DRIVE LS TO W90LS	
SAE Viscosity Grade			10W30	10W	80W90	
API Service Classification			API GL-4	-	API GL-5	
Performance Level			ZF TE-ML 03E, 05F, 17E,21F	ZF TE-ML 03C, 07F	ZF TE-ML 05C, 12C, 21C	
Specification	Specific Gravity @15°C	ASTM D 4052	g/cm ³	0,885	0,881	0,897
	Kinematic Viscosity @40°C, cSt	ASTM D 445	mm ² /s (cSt)	9.5	40	140
	Kinematic Viscosity @100°C, cSt	ASTM D 445	mm ² /s (cSt)	-	6,2	14,7
	Viscosity Index	ASTM D 2270	-	147	101	105
	Flash Point (°C)	ASTM D 92	°C	210	220	196
	Pour Point (°C)	ASTM D 97	°C	<-40	<-27	<-30
	Parts No.	20 Liter (Plastic Can)		941-00700B	941-00502B	941-00504B
210 Liter (Drum)		941-00701C	941-00503C	941-00501C		

COOLANT

FEATURES

- Long-life high-performance protection against corrosion & oxidation
- Optimized heat transfer, offering flexibility in engine design
- Depletion free and chemically stable
- Improved hard water stability, due to the absence of silicates and phosphates
- Suitable for mixed fleets (light & heavy duty applications)



Coolant Specification & Part Number Information

DEVELON COOLANT		EG COOLANT
Specification	Color	Rhodamine red
	Specific Gravity @15°C	g/cm ³
	Boiling Point	°C
	Ethylene glycol	%
	Freezing protection (°C)	°C
Parts No.	20 Liter (Plastic Can)	941-00599B
	210 Liter (Drum)	941-00600C

GREASE

FEATURES

- Excellent rust and corrosion protection for prolonged equipment life
- Designed for routine and moderately loaded applications
- Formulated protection in wet conditions and under moderate shock loads
- Excellent high temperature performance



Grease Specification & Part Number Information

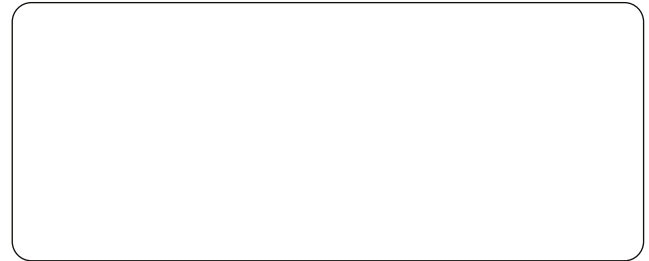
DEVELON GREASE	PROPERTY	METHOD	MULTI PURPOSE GREASE EP2
Specification	Color	visual	Yellow brown
	Thickening agent	Lithium 12 hydroxy stearic acid	Lithium 12 hydroxy stearic acid
	Based Oil type	Mineral	Mineral
	Dropping point (°C)	ISO 2176/DIN 51801/IP 396/ASTM-D566	>180
	NLGI Grade	2	2
	Water resistance @90°C	DIN 51807/1	0
	EMCOR Corrosion	ISO 11007/DIN 51802	<2-2 (salt water)
	Four ball weld load	DIN 51350/IP 239/ASTM-D2266	2800 N
	Based Oil Viscosity, 40°C	ASTM D-445	200 cSt
	Based Oil Viscosity, 100°C	ASTM D-445	15 cSt
	Water wash-out	DIN 51807-2/IP 215/ASTM D-1264/ISO 11009 or Emcor water Wash Out ISO 11007 mod.	<10% ISO 11009
	Flow Pressure: 1400 mbar @T [°C]	DIN 51805 (mod)	-30 °C
	Temperature range	-	-30 °C to 120 °C (130 °C Peak)
Density [kg/m ³]	IP 530	910	
Parts No.	400g x 24 ea (Tube)		500206-00164
	18kg (Steel Pile)		500206-00163

We are DEVELON

We trace our roots to 1937 as one of Korea's first large scale machine plant. Throughout time we have consistently delivered exceptional products and solutions.

DEVELON is a bold name that reflects our core ambition to continue developing onwards and leaving behind a positive footprint in our world. Moving forward, we seek to be part of our customers and partners' endeavor to build a better world.

Powered by **Innovation**



DEVELON

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Develon equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of Develon units may show other than standard equipment.

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