

UNITED HYDRO 600 PLUS (SHPD)

Product Description

Synthetic Diesel Engine Oil utilizing a Super High Performance Diesel (SHPD) technology delivering outstanding performance and durability. Developed to provide the ultimate protection for low-emission heavy duty engines fitted with diesel particulate filters and other exhaust aftertreatment devices, as well as providing the ultimate performance and protection for older engines from Europe, USA and Japan.

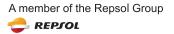
Applications / Benefits

- * Minimizes oil consumption, long drain interval
- * Superior protection against valve train wear
- * Neutralizes acids from high sulfur fuel
- * Particularly suitable for diesel engines equipped with EGR

Typical Characteristics

Test Description	Method	Unit			
SAE Viscosity Grade	SAE J 300	-	10W30	10W40	15W40
Density @ 15 °C	ASTM D 4052	kg/L	0.862	0.863	0.866
Flash Point	ASTM D 92	°C	214	218	220
Pour Point	ASTM D 97	°C	-36	-33	-27
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	71.1	101.3	104.1
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	11.6	15.07	14.62
Viscosity Index	ASTM D 2270	-	158	156	145
TBN	ASTM D 2896	mgKOH/g	11.1	11.1	11.1
CCS	ASTM D 5293	cP	≤7000	≤7000	≤7000





Specifications, Approvals & Recommendations

		10W30	15W40
*	API	CI-4/SL	CI-4/SL
*	ACEA	-	E7
*	CATERPILLAR	ECF-1A	ECF-1A
*	CATERPILLAR	ECF-2	ECF-2
*	CUMMINS	CES 20078	CES 20078
*	CUMMINS	CES 20076	CES 20077
*	CUMMINS	-	CES 20076
*	DETROIT DIESEL	-	DFS 93K215
*	DEUTZ	-	DQC III
*	JAS0	DH-1	DH-1
*	MACK	EO-N	EO-N
*	MAN	-	M3275
*	MERCEDES BENZ	-	228.3
*	MTU	-	CATEGORY 2
*	RENAULT	-	RLD-2
*	VOLVO	-	VDS-3

Suitable for the following Uses

		10W40
*	API	CI-4/SL
*	ACEA	E7
*	CATERPILLAR	ECF-1A
*	CATERPILLAR	ECF-2
*	CUMMINS	CES 20078
*	CUMMINS	CES 20077
*	DETROIT DIESEL	DFS 93K215
*	DEUTZ	DQC III
*	DEUTZ	DQC II
*	JAS0	DH-1
*	MACK	EO-M PLUS
*	MACK	EO-N
*	MAN	M3275
*	MERCEDES BENZ	228.3
*	MTU	CATEGORY 2
*	RENAULT	RLD-2

VDS-3

VOLVO

Reference No. Last revised date: 5172G23CI4SLDREV2 19-05-25