



## SYNTO TRUCK HT-PLUS

**PRODUCT DESCRIPTION:**

SYNTO TRUCK HT-PLUS is a versatile and comprehensive heavy-duty engine oil developed to meet a wide range of heavy-duty applications and operating environments found in the trucking, mining, construction, quarrying, and agriculture industries. This product provides outstanding protection in the most demanding diesel engines of Caterpillar, Cummins, Detroit, Mack, Mercedes Benz, Renault, MAN, Navistar, Volvo, and others. Recommended for Euro V and VI Volvo engines and off-highway engines meeting EU Stage IV and EPA Tier IV, equipped with DPFS needing CJ-4/E9-12/VDS-4/Cat ECF-3 lubricants.

**ENGINE APPLICATION:**

- ACEA E9-16
- API CJ-4/CI-4+/CI-4, SN/CF
- Daimler MB 228.31
- MAN M3575
- MTU Type 2.1
- Volvo VDS-4
- Mack EO-O Premium Plus
- Renault Trucks RLD3
- Cummins CES 20081
- Caterpillar ECF-2, ECF-3
- Deutz DQC III-10 LA
- DDC 93K218
- Global DHD1
- JASO DH-2

**GEARBOX APPLICATION:**

- API: GL-4
- ZF TE ML 07D
- Caterpillar TO-4M/TO-4
- Komatsu clutch (TO-40)
- Allison C-4

**HYDRAULIC SYSTEM APPLICATION:**

- ISO VG-68 HM
- JCMA HK 68
- KOMATSU HO-68
- Case MS 1230

**FEATURES & BENEFITS:**

- High thermal and oxidation stability
- Stay-in-grade shear stability
- Excellent low and high temperature properties
- Longer gasket and seal life
- High TBN reserves
- Reduced sludge buildUp
- Component compatibility
- Longer drain intervals
- Start-up wear protection
- One oil for mixed fleet operations

**PERFORMANCE LEVELS / MEETS OR EXCEEDS:**

- API CJ-4/CI-4+/CI-4
- ACEA E9-16
- MB 228.31
- MAN M3575
- Volvo VDS-4
- Deutz DQC III-10 LA
- JASO DH2
- MACK EO-O Premium Plus
- Cummins CES 20081
- Global DHD1
- Renault RLD3
- MTU Type 2.1

**TYPICAL PROPERTIES:**

PARAMETERS	ASTM	UNIT	SYNTO TRUCK HT-PLUS	
			15W-40	
Grade			15W-40	
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR	
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	15.5	
Viscosity Index (min)	D2270	-	135	
SP. Gravity @15°C/ 60°F	D4052	g/cm <sup>3</sup>	TBR	
Flash Point (min)	D92	°C	220	
Pour Point (max)	D97	°C	-33	
TBN	D2896	mg KOH/g	11.5	
CCS	D5293	m.Pa.S	<7000 (-20°C)	

**HEALTH & SAFETY, ENVIRONMENT:**

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website [www.bravoil.ae](http://www.bravoil.ae)

**HEALTH & SAFETY:**

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.bravoil.ae](http://www.bravoil.ae)

**PROTECT THE ENVIRONMENT:**

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

**STORAGE:**

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.