

R E S T R I C T E D
HEADQUARTERS
THEATER SERVICE FORCES
EUROPEAN THEATER
OFFICE OF THE CHIEF ORDNANCE OFFICER

APO 887 (rear)
14 August 1945

ET ORDNANCE TECHNICAL INTELLIGENCE REPORT)

NUMBER (390)

SUBJECT: French Unic Light Half-Track.

Observations by: Capt. L.M. Darrow, Cof. Tech. Intell. Team No. 15

1. General:

A French Unic half-track manufactured by Georges Richards, Puteaux, and used by the German army, was found in the U.S. Fifteenth Army area. The small amount of cargo space available, as compared to its elaborate design, indicates that it was intended for use as a prime mover.

2. Data:

Overall length.....	172 ins.
" width.....	67 ins.
" height.....	51 ins.
Ground clearance.....	12 ins.
Tread centers.....	48 ins.
Ground contact.....	16 ins.
Track.....	Rubber pad, center guided.
Width of track.....	5 ins.
Pitch of track.....	2.8 ins.
Track links.....	51
Drive sprockets.....	Dual, solid
Number of teeth.....	18
Drive sprocket diameter.....	18 ins.
Bogie wheels.....	Twin, steel spoke
Bogie wheels diameter.....	12.5 ins.
Track adjusting idler.....	Rubber tired, steel spoke
" " " diameter.....	12.5 ins.
Return roller.....	7 ins.
Front tires.....	Pneumatic, 5.25 x 18
Road speed.....	35 m.p.h.
Cross-country speed.....	15-20 m.p.h.
Armor.....	None
Armament.....	None
Engine.....	4 cyl.-in-line, liquid-cooled.
Electrical system.....	Type M16 Puteaux 12 volt (ignition coil)
Transmission.....	8 forward speeds 2 reverse speeds Conventional wheeled vehicle plus steering brakes on track sprockets.
	Two semi-elliptical springs lengthwise drive sprocket semi-elliptical spring transverse at rear bogies. elliptical springs at front axle.

RESTRICTED
SEP 1945

0138875

Chassis nameplate..... UNIC
 Quai National - Puteaux
 CV-12 No. 106724
 TU-1 Series Waa

Engine nameplate..... UNIC
 Quai National - Puteaux
 Type M16D No. 138

3. Comments:

This vehicle, which was being returned by the Germans for a general overhaul, was put into running condition and driven 60 miles over all types of roads and cross-country. The performance was excellent, although the engine tended to overheat during sustained high speed driving or while negotiating heavy pulls. The brake levers, conveniently located near the steering wheel, make extremely short radius turns possible even at high speeds. The parking, service and steering brakes (the latter on drive sprocket brake drums only) operate mechanically through the same linkage.

FOR THE CHIEF ORDNANCE OFFICER,

H. Quinn
 H.A. QUINN,
 Colonel, Ord.Dept.,
 Assistant.

Incl: 4 photos.

DISTRIBUTION No. 2 (Automotive):

- Military Intell. Div., War Dept. General Staff, Washington D.C.....3
- CG., ASF. Attn: Director of Intell., Washington 25, D.C.....4
- Chief of Ordnance, Washington 25, D.C. Attn: SIOTB - Intell.....5
- CG., Aberdeen Proving Ground, Md. Attn: Foreign Materiel Branch.....1
- FIAT, Army Branch, U.S. Group C.C. (Germany), AFO 742, U.S. Army.....1
- Twenty-First Army Group (Main), B.L.A. Attn: Lt.Col. Shallard (Tech).....1
- Assistant Military Attache, Ordnance, AFO 413, U.S. Army. Attn: Col. F.F. Reed. (5 copies for M.I.10 and other British Agencies).....6
- Hq. TSFET (rear), AFO 887, U.S. Army, Ordnance, Tech. Div.....1
- " " " " " " AFV & W.....1
- " " " " " " Ordnance, Mail & Records.(Thru Chief Ordnance Officer).....1
- Each Ord.Tech.Intell.Team, 1 copy.....5





Photo 1:
Front view



Photo 2:
Left front view



Photo 3:
Right rear view

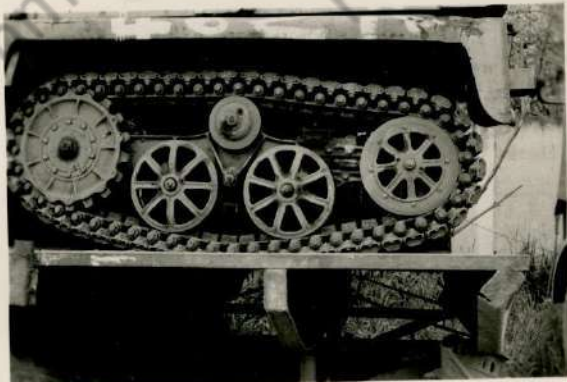


Photo 4:
Track suspension.



akow Restoration BUSHMAKOW.COM commercial use, free of charge Dmitry Bushmakow Restoration for sale or



for sale or e of charge Dmitry Bush use only, not for sale or

akow Restoration BUSHMAKOW.COM or commercial use, free of charge Dmitry Bushmakow Rest



for sale or commercial use, free of charge Dmitry Bushmakow Rest

makow Restoration BUSH
for commercial use, free of charge
makow Rest
for sale or co
e of charge Dmitry Bushni
use only, not for sale or

