

TECHNICAL SPECIFICATION

Ser	Nomenclature	AU	Qty
1.	Engine oil gallol M-4042 VT/Azmol Garant M 4042 VT	Litre	21,216
2.	Transmission Oil EMT-8/ARIAN TSZP-8/MT-8P	Litre	5,408
3.	Coolant for MBT-2000 88 Litre with mixed 3 item Chemical Potassium Dichromate 440 gm (each tank/ARV)	Kg	41.360
4.	Sodium Nitrite 44 gm (each tank/ARV)	Kg	4.136
5.	Tri Sodium Phosphet 44 gm (each tank/ARV)	Kg	4.136
6.	Coolant (APU) GJB 5690-2006	Litre	160
7.	Hydraulic Oil no 46 GB 111181-1994	Litre	416
8.	2 No tank grease GJB 4364-2002	Kg	1,080
9.	2 no tank grease GJB 4364-2000/Little-24 GOST- 21150-87	Kg	720
10.	Gear grease/Outer/Inner Top Rollar grease A-9011 semi Fluid grease	Kg	360
11.	No-2 General purpose lithium grease A-9011 semi Fluid grease	Kg	360
12.	Main Gun General purpose grease GJB 2048- 1994/GJB 4364-2002	Litre	720
13.	Gun hydraulic oil GJB 3238-1998	Litre	416
14.	Gun requel fluid (TBB 219-2005)	Litre	124
15.	Special transmission box gear oil (ARV) 80 W/90 GB 138895-92	Litre	24
16.	Windlessing mechanism/ Slewing mechanism/ Reduction Gear of main wins gear oil (ARV) LCKV 220-GB 5903-1995	Litre	24


MD REFATH AL MURTOZA
Maj
Assistant Director Purchase (Army)
Directorate General Defence Purchase

9
北方工业
NORINCO

Our ref: NOR/AHQ/MBT-2000/Lub/Spec Dated 19 July 2021

To:

Army Headquarters
General Staff Branch
Armoured Directorate
Dhaka Cantonment

References:

- A. AHQ, GS Br (Armd Dte) Ltr No: 23.01.901.030.01.077.29.09.02.21 DT 09 Feb 2021
B. AHQ, GS Br (Armd Dte) Ltr No: 23.01.901.030.01.077.29.11.04.21 DT 11 Apr 2021

TECHNICAL SPECIFICATION OF 16 LINE ITEMS LUBRICANTS/ENGINE OIL
OF TANK MBT-2000

Dear Sir,

May I present my best compliments to you and your esteemed organization and hope this letter finds you in the best health and spirit.

Please be informed that, providing subject specification is difficult since it is against the factory policy. However, we could manage only the 02 items specifications (Transmission Oil EMT-8 and Engine Oil Garant M-4042 VI) after a lot of persuasion which are forwarded as Annex A to this letter. We are sorry for the delay.

Forwarded for your kind necessary action.

Sincerely yours,

刘佳怡

Liu Jiayi
Business Manager
Asia Pacific Dept.
NORINCO

Information: Lt Col Md Sekendar Alam Talukder, Local Coordinator, Mob: 01716948252

中国北方工业有限公司 China North Industries Corp.

中国北京广安门南街甲12号 中国北京2932邮政信箱 邮政编码100053

12A Guang An Men Nan Jie, Beijing, China P. O. Box 2932 Beijing Post Code 100053

电话Tel (8610) 8391 8754 传真Fax (8610) 63547622 电子信箱Email ljy@norinco.cn


MD REFATHAL MURTOZA
Maj
Assistant Director Purchase (Army)
Directorate General Defence Purchase

Physical and Chemical Parameters of Transmission Oil EMT-8

PACIFIC

No.	Items	Parameter	
✓1	Viscosity, kinematic at 100°C, mm ² s-1	8.5-9.0	
✓2	Viscosity index	Min 90	
✓3	Total base number, mg KOH/g	Min 4.5	
4	Sulfated ash, %	0.75-0.95	
5	Solid particle contamination, wt. %	Max 0.015	
✓6	Water content	Trace	
✓7	Flash point, °C	Min 185	
8	Pour point, °C	Max minus 30	
✓9	Density at 20°C, kg/m ³	Max 900	
10	Active element content, % - Calcium - Zinc	Min 0.17 Min 0.07	

Physical and Chemical Parameters of Engine Oil Garant M-4042 VT

PACIFIC

No.	Items	Parameter	
1	Viscosity, kinematic at 100°C, mm ² s-1	15.3-16.3	16.2
2	Viscosity index	Min 95	124
3	Total base number, mg KOH/g	Min 6.0	
4	Sulfated ash, %	Max 1.65	6.1
5	Solid particle contamination, wt. %	Max 0.015	
6	Water content	Trace	
7	Flash point, °C	Min 225	260
8	Pour point, °C	Max minus 30	-27
9	Corrosion on the plates of lead, g/m	No corrosion	

中国北方工业有限公司 China North Industries Corp.

中国北京广安门南街甲12号 中国北京2932邮政信箱 邮政编码100053

12A Guang An Men Nan Jie, Beijing, China P. O. Box 2932 Beijing Post Code 100053

电话Tel (8610) 8391 8754 传真Fax (8610) 63547622 电子信箱Email ljy@norinco.cn


MD REFATH AL MURTOZA
Maj
Assistant Director Purchase (Army)
Directorate General Defence Purchase

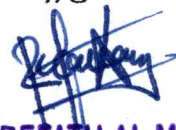
10	Thermal-oxidative stability at 250°C, minutes	Min 100
11	Density at 20°C, kg/m ³	Max 905
12	Stabilization by inductive period of sedimentation (IPS), 50 hours	Withstand

中国北方工业有限公司 China North Industries Corp.

中国北京广安门南街甲12号 中国北京2932邮政信箱 邮政编码100053

12A Guang An Men Nan Jie, Beijing, China P. O. Box 2932 Beijing Post Code 100053

电话Tel (8610) 8391 8754 传真Fax (8610) 63547622 电子信箱Email ljy@norinco.cn



MD REFATH AL MURTOZA
Maj
 Assistant Director Purchase (Army)
 Directorate General Defence Purchase