



TIODIZE®

SPECIFICATIONS

G.E. - D6Y31C1
D6Y31C2
SAFRAN-DMR75-905
P & W - PWA 36246

T8E
PASTE



T8E-G
LIGHT GREASE



T8E-H
GREASE

1400°F LUBRICATIVE ANTI-SEIZE GREASES

These three anti-seize products all have the same unique inorganic pigments and are designed to be used as an aid for the installation and removal of threaded fasteners which are exposed to temperatures up to 1400°F for long periods of time.

All three Products are completely inorganic and do not contain any sulfur producing materials, nor any metalics, such as silver or nickel.

T8E Paste, T8E-G Light Grease, and T8E-H Grease, are approved by aircraft engine manufactures, gas turbine, and steam turbine companies.

T8E PASTE is a water base product. When applied, parts should be assembled within 45 minutes.

T8E-G LIGHT GREASE is suspended in 7808 engine oil. This increases the shelf life, will not dry out, and allows for ease of application.

T8E-H GREASE is a heavier grease and is designed to replace graphite petroleum grease (GE Spec A50TF201), especially for use at temperatures to 1400°F



PHYSICAL PROPERTIES

Service Temperature: 1400°F	Application: Brush On
Binder: None	Cure Temperature: Air Dry
Lubricative Pigments: Inorganic Oxides	Color: Gray

T8E-H GREASE High Temperature Bolt and Insert Test

Insert (5/16-24) coated with Tiolube 614G-T9B (3 coats).
 Bolt (5/16-24) thread and underside of head coated with Tiodize T8E-H Grease during assembly.
 Bake time and duration for each cycle – 6 hours at 1200°F.

Test requirements

Maximum Installation/Removal: 120 inch-lbs
 Minimum Breakaway: 6.5 inch-lbs
 Bolt Elongation after Torque Applied: 0.0047"

CYCLE	ORIGINAL BOLT LENGTH	INSTALLATION TORQUE	BREAKAWAY TORQUE	SEATING TORQUE	LOADED BOLT LENGTH	UNSEATING TORQUE	BREAKAWAY TORQUE	REMOVAL TORQUE
1	2.2111	36	38	375	2.2158	850	80	85
2	2.2126	40	48	550	2.2173	750	75	70
3	2.2125	24	24	550	2.2172	880	65	65
4	2.2128	22	22	550	2.2175	800	65	65
5	2.2133	21	20	500	2.2180	700	60	60

T8E PASTE 1400°F BOLT AND NUT CYCLE TEST

T8E PASTE on 1/4-20 Waspaloy Bolt & Crimp Nut as an assembly and disassembly aid.

CYCLE	1	2	3	4	5
	<i>in-lbs</i>	<i>in-lbs</i>	<i>in-lbs</i>	<i>in-lbs</i>	<i>in-lbs</i>
Run on torque	4 - 6	3 - 5	15 - 29	14 - 25	40 - 60
Seating torque	14 - 16	13 - 15	30 - 55	30 - 40	70 - 80
Torque @ 28°	53 - 63	59 - 70	69 - 93	61 - 74	130-135
1400° F	<i>98 hrs</i>	<i>96 hrs</i>	<i>96 hrs</i>	<i>93 hrs</i>	<i>96 hrs</i>
Unseating torque	140-160	130-135	150-160	150-160	170-180
Break away torque	29 - 35	17 - 18	46 - 59	59 - 70	90 - 91
Run off torque	25 - 37	15 - 20	25 - 40	50 - 70	50 - 80
Thread damage	none	none	none	none	none