

**SPECIFICATIONS** 

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

PASTE

LIGHT GREASE

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 temperaturess up to 1400°F for long periods of time.

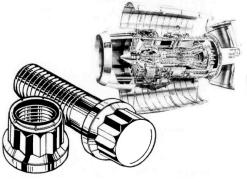
All three Products are completely inorganic and do not contain any sulfer producing materials, nor any metallics, such as silver or nickel.

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 petrolatum grease (GE Spec A50TF201), especially for use at temperatures to 1400°F









#### **APPROVED BY:** G.E. • PRATT & WHITNEY • ROLLS ROYCE

# PHYSICAL PROPERTIES

**SAFRAN** 

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	BREAKAWA Y 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
	in-lbs	in-lbs	in-lbs	in-lbs	in-lbs
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	98 hrs	96 hrs	96 hrs	93 hrs	96 hrs
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