

ALITHICON FM FOOD MACHINERY LUBRICANT
TYPICAL SPECIFICATIONS AND TEST RESULTS:

PRODUCT CODE	FM-H10	FM-H22	FM-H27	FM-H30	FM-H50
SAE GRADE	10	20	20	30	40
COLOR	WATER CLEAR	WATER CLEAR	WATER CLEAR	WATER CLEAR	WATER CLEAR
SPECIFIC GRAVITY	0.925	0.912	0.95	0.951	0.87
VISCOSITY: SUS @ 40° C	32	42.3	73	108	151
VISCOSITY: SUS @ 210° C	44.6	50.6	51.4	60	72
VISCOSITY INDEX	150	150	180	189	189
POUR POINT: ° F	-70	-57	-60	-60	-55
FLASH POINT: ° F	460	530	520	515	515
AUTO-IGNITION: ° F	760	760	760	760	765
ACID NUMBER	0.2	0.2	0.2	0.2	0.2
ROTARY BOMB OXIDATION 300° F LIFE MINUTES (ASTM D-2272)	720	960	1235	1340	1545
CENTRALIZED OXIDATION TEST <u>230° F (ASTM D-943) MED.</u> » HOURS TO INCREASE ACID # 0.2 » HOURS TO INCREASE ACID # 2.0	1360 3375	1360 3375	1360 3375	1360 3375	1360 3375
OXIDATION CORROSION STABILITY (FTM 5308.6) 72 HOURS @ 350° F: <u>METAL WEIGHT (mg)</u> » Cu, Mg, Fe, Al, Ag » EVAPORATIVE LOSS, WT. % 22 HOURS @ 210° F » SLUDGE » TAN INCREASE Mg KOH / g	± .03 .02 CLEAN 1.0	± .03 .024 CLEAN 1.4	± .03 .03 CLEAN 1.0	± .03 .05 CLEAN 2.0	± .03 .55 CLEAN 2.1
RUST PREVENTION 24 HOURS: DISTILLED WATER (ASTM D-665)	NO RUST	NO RUST	NO RUST	NO RUST	NO RUST
FOAM TENDENCY (ml) @ 15 mins (ASTM D-982) » 75° F » 200° F	> 10 / 0 > 5 / 0	> 10 / 0 > 5 / 0	> 5 / 0 > 5 / 0	> 5 / 0 > 5 / 0	> 5 / 0 > 5 / 0
DEMULSIBILITY @ 130° F OIL/WATER/EMULSION, ml (ASTM D-1401)	NO RUST	NO RUST	NO RUST	NO RUST	NO RUST
CONRADSON CARBON RESIDUE WT, % (ASTM D-892) PANEL COKING, mg DEPOSIT: 6 HOURS @ 600° F	9.8	9.2	9.1	6	7.3
4 BALL, SCAR DM mm, (ASTM D-189) »10 kg @ 1800 RPM & 150° F FOR 30 MIN »40 kg @ 1200 RPM & 167° F FOR 60 MIN	0.4 0.4	0.4 0.4	0.4 0.4	0.4 0.4	0.4 0.4
VICKERS PUMP TEXT @ 150° F TOTAL WEIGHT LOSS (ASTM D-2892)	25.0	18.1	10.3	10.0	9.9

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