MainLube
SUPERIOR MAINTENANCE LUBRICANTS

165

DESCRIPTION:

Heat Transfer Lubricant. Capable of servicing up to 325°C in closed systems. 165's Low viscosity resists thermal degradation and assists with rapid heat transfer, suitable for quenching applications.
Available in SAE 30 or ISO 100.

CHARACTERISTICS:

Extended Life

Mainlube 165 minimises the formation of oxidation by-products such as carbon, gum and sludge. These retard the transfer of heat and the resulting deposits of oil solids cause over heating shortening the service life of the lubricant.

More Economical

Mainlube 165's long service life is improved by its high thermal oxidation stability this greatly reduces the frequency of draining, cleaning and recharging of the system.

Excellent Heat Transfer

Low viscosity ensures rapid and responsive heat transfer as 165 will maintain its viscosity as the temperature rises giving better conductivity. This also allows smaller pumps to be utilised in heat transfer systems.

Low Pressures At Elevated Temperatures

Even at 300°C 165 has minimal vapour pressure as the hydrocarbon components have been fractionally distillated giving a narrow cut fluid with a higher boiling point and lower vapour pressure.

APPLICATION:

Use in enclosed circulating systems to prevent oil contamination and loss from evaporation. Mainlube 165 is ideal for use in the plastic, wax, resin, fibre board, varnish, asphalt, grease, rubber, soap, pharmaceutical, heat treatment industries or where a heat transfer medium is required. Also suitable for quenching applications.

165

SPECIFICATIONS:

ASTM TEST	*TEST METHOD*	MAINLUBE 165 *RESULT*
Gravity @ 15°C	D-1298	0.886
Viscosity @ 40°C, cSt	D-445	92
Viscosity @ 100°C, cSt	D-445	10.4
Viscosity Index	D-2270	99
Flash Point, CO C, °C (°F)	D-92	272
Pour Point, °C (°F)	D-97	-10
*Carbon Residue, Conradson %	D-189	0.04

Thermal Properties

Temperature @ °C	**200**	**250**	**300**	**350**
Density @ Kg/litre	0.79	0.73	0.68	0.64
Viscosity, cP	1.8	1.2	0.9	
Viscosity, cSt	2.3	1.6	0.9	
Vapour Pressure mgr/Hg	-	0.5	28	
Vapour Pressure kPa	-	0.07	3.7	
Specific Heat Capacity kj/kg ° K	2.66	2.91	3.16	3.38
Thermal Conductivity, W/m. °K	0.0098	0.0095	0.0091	0.0089
BUT/Hr/°F/ft	0.068	0.066	0.064	0.062

*Excluding Ash Content due to additive package

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