

PC-11 Matrix Oil Status
August 29, 2014

Matrix Oil Status

Suppliers blended oils as one batch. The TMC will not homogenize unless drum to drum differences are found.

T-13 Matrix Oil Name	A	B	C	D	E	F
Base Oil	1 (IIC)	1 (IIC)	1 (IIC)	2 (IIE)	2 (IIE)	2 (IIE)
Technology	1	2	3	1	2	3
Viscosity Grade	10W-30	10W-30	10W-30	10W-30	10W-30	10W-30
Arrived at TMC	8/8	8/8	8/4	8/8	8/8	8/4
Drums Received	6	6	3	6	6	3
Gallons Received	275	330	146	275	330	146

Yellow denotes 1st run oils. Oils B, D, E and F have been given priority by the TMC.

T-13 Matrix Oil Name	A	B	C	D	E	F
Gallons Required for Matrix -20 gal/test(tests)	120(6)	80(4)	80(4)	80(4)	120(6)	80(4)
Possible Re-Runs Tests*	6	12	3	9	10	3
Outside Analysis Results Returned	8/18	8/18	8/8	8/18	8/18	8/8
Concerns	Drum 6 (25 gallons in drum) Showed IR Difference Marked as Do Not Use by TMC	None	KV 40 Low MRV 20,000cPΔ- Supplier retest showed good agreement with TMC	Yield Stress discrepancy noted has been resolved	None	None
Shipped to Labs	8/20	8/20	8/26	8/29	8/20	8/15

*TMC is not shipping these unless required

COAT Matrix Oil Name	G	H	I	J	K	L
Base Oil	1 (IIC)	1 (IIC)	1 (IIC)	2 (IIE)	2 (IIE)	2 (IIE)
Technology	1	2	3	1	2	3
Viscosity Grade	15W-40	15W-40	15W-40	15W-40	15W-40	15W-40
Arrived at TMC	8/8	8/8	8/12	8/8	8/8	8/12
Drums Received	7	5	2	7	5	2
Gallons Received	330	275	83	320	275	83

COAT Matrix Oil Name	G	H	I	J	K	L
Gallons Required for Matrix -28 gal/test (tests)	196(7)	168(6)	168(6)	168(6)	196(7)	168(6)
Possible Re-Runs Tests*	4	3	Shortage	5	2	Shortage
Outside Analysis Results Returned	8/18	8/15	Additional Volume Arrived 8/22	8/15	8/15	Additional Volume Arrived 8/21
Shipped to Labs	Expected 8/22	8/18	Expected 9/12	8/18	8/18	Expected 9/16

*TMC is not shipping these unless required

TMC HomePage now contains a ***PC-11 & GF-6 Matrix Info*** hotLink.

Frank Farber

PC-11 Matrix Project Supervisor

<ftp://ftp.astmtmc.cmu.edu/docs/diesel/PC11matrix/MatrixOilStatus.pdf>