
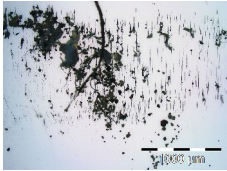
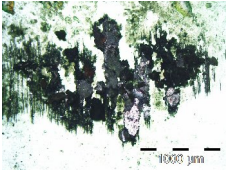
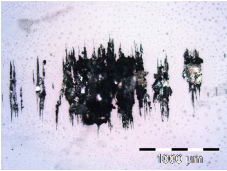
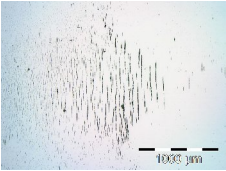
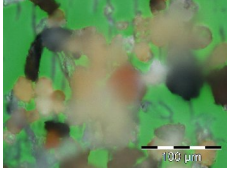
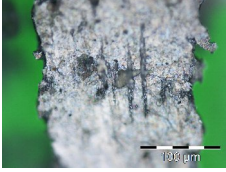
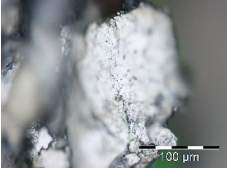
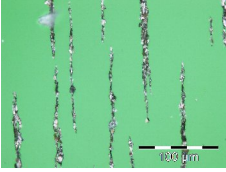
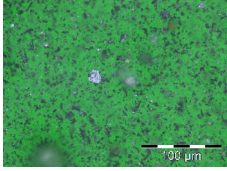
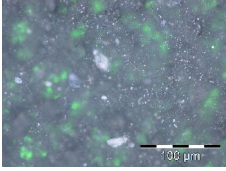
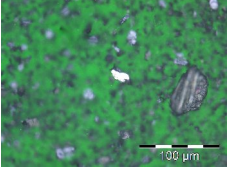
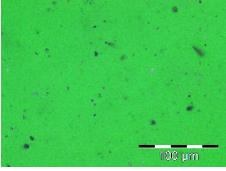


C Code : **28029**
 U S Name :
 T O M E R Address : 33/1 Moo 3, T. Banpa
 A.Kaeng Khoi
 Saraburi 18110
 Site :
 Location :
 Test code :

Unit ID : **R5 S01**
 Unit Type : Gearbox General
 Unit Make : FLENDER
 Unit Model : B3 SV09C
 Oil type / Viscosity : ESSO SPARTAN EP 320
 Oil System Capacity : 96 Liters

Notes (Finding, Evaluation, Interpretation, Suggestion and Recommendation)

Note the dirt particles detected in ferrogram.
 Recommend check to determine how dirt is entering the system and correct the problem to prevent further dirt entry.

	Current Sample		Previous Sample									
Lab ID	151814		139006		126781							
Bottle ID	925031		906684		903968							
Date Sampled	14-Jan-11		01-Jul-10		25-Dec-09							
Oil Hours (Kms)	Not Given		Not Given		Not Given							
Unit Hours (Kms)	Not Given		Not Given		Not Given							
Oil Added (Liters)												
Filters Hours (Kms)												
Wear Condition												
Ferrographic Analysis												
Volume of Sample Used	3.00 ml		3.00 ml		3.00 ml	Typical Normal Ferrography						
Image of Wear & Contaminants (Ferrogram) Magnification 50X												
Image of Wear & Contaminants (Ferrogram) Magnification 500X												
Image of Wear & Contaminants (Filtergram) Magnification 500X												
Wear & Contaminants Particles	%Rating	Size (Micron)	Particle Type	%Rating	Size (Micron)	Particle Type	%Rating	Size (Micron)	Particle Type	%Rating	Size (Micron)	Particle Type
Normal Rubbing Wear	40	2-3	F	30	2-3	F	10	2-3	F	95	2-3	F
Fatigue Wear	5	5-10	F	20	20-100	F	50	20-200	F			
Fatigue Sphere												
Severe Sliding Wear				10	20-500	F						
Cutting Wear												
Black Oxides	5	10-50	F	10	20-100	F	10	10-80	F			
Red Oxides												
Corrosive Wear												
Dirt and Dust	50	>10	C	10	10-50	C	20	>10	C	5	3-5	C
				10	2-3	N	10	5-10	N			
Ferrographic Analysis Rating (FAR) rating in grade	C											

%Rating : Percent area covered by wear debris particles or contaminant particles.
Size : Size in micron unit (0.001 mm)
F : Ferrous wear particles
N : Non-ferrous wear particles
C : Contaminant particles

Ferrographic Analysis Rating (FAR) , rating in grade
A : Excellent - normal rubbing wear condition
B : Good - normal rubbing wear condition
C : Fair or moderate - normal rubbing wear condition
D : Severe and/or critical - wear condition
F : Extreme severe and/or extreme critical - wear condition