

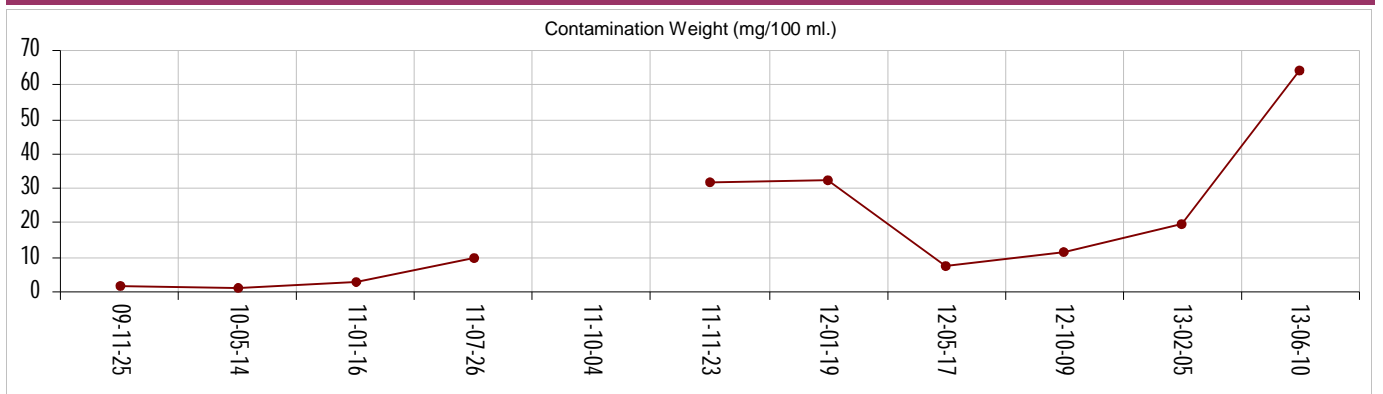
C Code
U S Name :
T O M Address :
E R Site :
Location :
Test code : 615

Unit ID : **GT1 Before Purifier**
Unit Type : Engine Turbine Gas
Unit Make : GE
Unit Model : Frame 9171 E
Oil type / Viscosity : MOBIL DTE 732 ISO 32
Oil System Capacity : 14000 Liters

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

Gravimetric analysis (photos shown) indicate the oil is highly contaminated with sludge-like materials.

	Current Sample		Previous Sample		
Lab ID	220964		207231		 (Mod. ASTM D-4898)
Bottle ID	GT1		GT1		
Date Sampled	10-Jun-13		05-Feb-13		
Oil Hours (Kms)	Not Given		Not Given		
Unit Hours (Kms)	Not Given		Not Given		
Oil Added (Liters)					
Filters Hours (Kms)					
Contamination					
Gravimetric Analysis : Test Method for Insoluble Contamination of Fluid					
Fluid Volume	10 ml		10 ml		10 ml
Filter Type	0.8 micron		0.8 micron		0.8 micron
Photo of Insoluble Contamination Retained on Filter Membrane Disc					
Photo of Insoluble Contamination Retained on Filter Membrane Disc					
Photo of Insoluble Contamination Retained on Filter Membrane Disc - Magnification 100x					
Photo of Insoluble Contamination Retained on Filter Membrane Disc Magnification 100x					
Contaminant Retain on Filter Disk	% Visual Rating		% Visual Rating		% Visual Rating
Grey & Black Metal			10		
Copper Base Metal					
Bright & White Metal					
Rust & Corrosion					
Dirt & Dust			70		100
Fibers / Filters / Seals					
Sludge & Varnish	100		20		20
Contamination Weight (mg/100 ml)	64.5 mg/100 ml W		19.9 mg/100 ml C		11.5 mg/100 ml
					TNO 2 Caution >15 Warning >30



Gravimetric Analysis:
 - determines total solid and soft compound contamination level by weight
 - identifies particle contamination in oils by microscopic analysis
 - determines oil contamination level by colorimetric (color density)
 In brief, will analyze oil cleanliness and source(s) of contamination.