

C Code
U Name :
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Site :
Location :
Test code : 660

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

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

FTIR scan AND Ruler (Voltammetry) shows phenolic-type anti-oxidant additive to be depleted.
Note that RPVOT is Cautionary (below 50% remaining).

Andy Sitton

Lab ID	Bottle ID	Date Sampled	Oil Hours (Kms)	Unit Hours (Kms)	Oil Added (Liters)	Filters Hours (Kms)	Test Method	Result	Current Sample			Previous Sample			RULER TM RPVOT (RBOT) FTIR		
									220964 GT1 10-Jun-13 Not Given Not Given	207231 GT1 05-Feb-13 Not Given Not Given	198073 GT 1 09-Oct-12 Not Given Not Given	220964 GT1 10-Jun-13 Not Given Not Given	207231 GT1 05-Feb-13 Not Given Not Given	198073 GT 1 09-Oct-12 Not Given Not Given	Based on and referred to ASTM D-4378-0 Alarm Limit based on ASTM D-4378-08		
Oil Condition																	
RULERTM (Remaining Useful Life Evaluation Routine)																	
% Type I Antioxidant Remaining	D-6971-04	%	n/p	n/p	n/p								The New Oil	Caution	Warning		
% Type II Antioxidant Remaining	D-6810-02	%	32.7 C	44 C	33.1 C								100	<50	<25		
% Type III Antioxidant Remaining		%	0 W	0 W	5.8 W								100	<50	<25		
RULER Test Solution		Color	Green	G & Y	G&Y												
RPVOT (Rotating Pressure Vessel Oxidation Test) or previously known as RBOT																	
Oxidation Stability	D-2272	Minutes	309 C	322 C	358 C								1000	<500	<250		
%Oxidation Stability Remaining		%	31 C	32 C	36 C								100	<50	<25		
FTIR (Fourier Transform Infrared)																	
%Phenolic Type Antioxidant Remaining	D-2668	%	4 W	3 W	6								100	<50	<25		

