

CUSTOMER:	WESTERN TURBO AND FUEL INJECTION LTD		
PLANT:	.		
MACHINE NAME:	FORD F550 6.7 DIESEL	Machine Condition	
LOCATION			
MACHINE TYPE:	DIESEL ENGINE	NORMAL	
LUBE TYPE:	FOR XO 10W30 BSD		
MACH MFGR:	FORD	Lubricant Condition	
MACH MOD:	F550		
RECEIVED:	24-OCT-13	NORMAL	
CONTACT 1:			
REPORT:	28-OCT-13 09:09:44		
SAMPLE NO:	1951-1-8-1		
TICKET NO:	2670,ENGC2670		

RECOMMENDATIONS

- Continue normal operation and regular sampling.

MISCELLANEOUS

- Lubricant refers to oil, fuel, biofuel, grease, coolant or varnish.
- FOR GREATER DIAGNOSTIC, PLEASE SUPPLY A CURRENT REFERENCE LUBRICANT TO COMPARE WITH SAMPLE.
- The lube or machine time was not indicated. We are using an arbitrary starting point for unknown time. Please advise correct time estimates if possible.
- Trend analysis could not be performed. (Min. 4 tests required)
- Our database indicates no site contaminant for this unit. Please advise laboratory if this is not the case.

SAMPLING HISTORY

Labno	SAMPLE DATE DD-MM-YYYY	TIME ON OIL / TSN	TIME SINCE OVER- HAUL / TSO	OIL CHANGED (Y/N)	PREVIOUS CONDI- TION MACH/OIL
915196	18-10-2013	999	999	Y	(n/a)

(SP) SPECTROSCOPIC ANALYSIS [ASTM D5185] (elements seen in ppm)

TESTED ELEMENTS ARE:Fe, Cu, Pb, Sn, Cr, Al, Ni, Ti, Ag, V, Mg, Si, B, Na, Ba, Ca, P, Mn, Zn, Mo, Cd, K.

Date(DD/MM/YY)	18-10-13	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	915196								
Fe-IRON	22								-
Cu-COPPER	2.0								-
Pb-LEAD	3.0								-
Al-ALUMINIUM	6.0								-
Cr-CHROMIUM	2.0								-
Ti-TITANIUM	2.0								-
Si-SILICON	8.0								-
Mg-MAGNESIUM	9.0								-
Na-SODIUM	24								-
Ca-CALCIUM	2695								-
P-PHOSPHORUS	1168								-
Zn-ZINC	1398								-

(FTIR) FOURIER TRANSFORM INFRARED ANALYSIS (Absorbance)

Date(DD/MM/YY)	18-10-13	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	915196								
SOOT	19								-
OXIDATION	16								-
SULFATE	22								-
NITRATION	7								-

SOOT (%)

Date(DD/MM/YY)	18-10-13	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	915196								
SOOT (%)	0.34								-

VISCOSITY/100 [ASTM D445]

Date(DD/MM/YY)	18-10-13	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	915196								
in cSt 100°C	12.39								-

HOT PLATE (%)

Date(DD/MM/YY)	18-10-13	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	915196								
WATER	< 0.1								-

FUEL [N-NEGATIVE, P-POSITIVE]

Date(DD/MM/YY)	18-10-13	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	915196								
FUEL	N								-

GLYCOL DETECTION [N-NEGATIVE, P-POSITIVE]

Date(DD/MM/YY)	18-10-13	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	915196								
GLYCOL DETECTION	N								-

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