COMMENTS

The oil looks like a 10W/30 and it is of the gas engine variety rather than diesel. We never know on the first oil we see how much of what was in the sample is factory contamination and how much actually came from the engine. We hope that abnormally high aluminum is a leftover, rather than actual wear. Same with potassium. It is common to anti-freeze but also is used in factory processes. The high copper and silicon are routine. Go easy on the miles per oil change until you see something resembling universal average wear. The TBN was okay at 4.0.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	5,505							
MI/HR on Unit	5,505							
Sample Date	12/19/08							
Make Up Oil Added	0 qts							
ALUMINUM	**63**	63						5
CHROMIUM	2	2						2
IRON	38	38						35
COPPER	**20**	20						4
LEAD	2	2						5
TIN	0	0						1
MOLYBDENUM	2	2						4
NICKEL	1	1						2
MANGANESE	4	4						1
SILVER	0	0						0
TITANIUM	1	1						0
POTASSIUM	**222**	222						4
BORON	1	1						33
SILICON	**31**	31						4
SODIUM	6	6						6
CALCIUM	1325	1325						2039
MAGNESIUM	8	8						314
PHOSPHORUS	650	650						868
ZINC	764	764						1048
BARIUM	1	1						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	63.6						
cSt Viscosity @ 100°C	11.22						
Flashpoint in °F	430	>415					
Fuel %	<0.5	<2.0					
Antifreeze %	**?**	0.0					
Water %	0.0	0.0					
Insolubles %	0.2	<0.6					
TBN	4.0						
TAN							
ISO Code							