



P.O. NUMBER: CC: Visa (Bulk)
 CODE: 20/20686/12

UNIT NUMBER PORT
 REPORT DATE: 11/14/05
 LAB NUMBER: C59985

OIL REPORT

CLIENT	CONTACT: GARY M FRIEND	PHONE: (631) 838-7450
	NAME: SEASIDE MARINE SURVEYORS	FAX:
	ADDRESS: 5 CORNELL STREET PORT JEFFERSON STATION, NY 11776	E-MAIL: captaingary@seasidemarinesurveyors.com

UNIT	EQUIPMENT MAKE: Mercruiser	OIL USE INTERVAL: 2 Hours
	EQUIPMENT MODEL: 7.4L 454 CI V-8	OIL TYPE & GRADE: 5W/30 (gas)
	FUEL TYPE: Gasoline (Unleaded)	MAKE-UP OIL ADDED:
	ADDITIONAL INFO: 1996	

COMMENTS
 GARY: If this oil only has 2 hours on it, then we think this engine may have a serious mechanical problem. Universal averages show typical wear from this type of engine after about 100 hours on the oil. Sodium was also extremely high and shows either anti-freeze or cooling water contamination, which probably caused the excess wear. The oil had enough fuel present to think you may have a problem with the fuel system as well. Suggest having a closer look at this engine. It appears to have a problem. Pressure testing the cooling system would be a good place to start.

ELEMENTS IN PARTS PER MILLION	MI/HR ON OIL	2	UNIT / LOCATION AVERAGES							UNI VERSAL AVERAGES
	MI/HR ON UNIT	369								
	SAMPLE DATE	11/09/05								
ALUMINUM	8	6							5	
CHROMIUM	3	3							2	
IRON	245	186							33	
COPPER	38	34							35	
LEAD	27	22							10	
TIN	6	4							5	
MOLYBDENUM	57	57							17	
NICKEL	1	1							0	
MANGANESE	2	2							7	
SILVER	0	0							0	
TITANIUM	0	0							0	
POTASSIUM	75	52							7	
BORON	78	80							86	
SILICON	9	8							19	
SODIUM	1843	1237							15	
CALCIUM	2009	2007							1164	
MAGNESIUM	229	175							734	
PHOSPHORUS	861	864							1033	
ZINC	928	939							1217	
BARIUM	1	6							0	

PROPERTIES	TEST	cST VISCOSITY @ 40 °C	SUS VISCOSITY @ 100 °F	VISCOSITY INDEX	cST VISCOSITY @ 100 °C	SUS VISCOSITY @ 210 °F	FLASHPOINT IN °F	FUEL %	ANTIFREEZE %	WATER %	INSOLUBLES %
	VALUES SHOULD BE					54-61	>365	<2.0	0	<0.1	<0.6
	TESTED VALUES WERE					66.8	320	2.3	3.69	0.0	0.6