OIL REPORT

LAB NUMBER: K62564 **UNIT ID:** STORM TROOPER
REPORT DATE: 10/17/2018 **CLIENT ID:** 132507
CODE: 20/32 **PAYMENT:** CC: Visa

UNIT

MAKE/MODEL: GM Marine 5.0L 305 CID V-8
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 1978 Kelson Hydroplane
OIL TYPE & GRADE: Amsoil Dominator 10W/30
OIL USE INTERVAL: 14 Hours

CLIENT

DILLON GOODELL
16206 OCEANA
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COMMENTS

DILLON: Universal averages show typical wear after ~70 hours of oil use. This oil was only in place 14.4 hours and metals could be lower. Iron (steel) tends to track with oil use and it's high on a per-hour basis. Aluminum shows some extra piston wear and lead could show bearing wear. Lead can also come from octane boosters, if anything like that were used recently. This engine is relatively young so maybe some of this is residual wear-in material, but if not, excess wear is possible. Corrosion is a possibility, too. Try 15-20 hours and resample. We'll learn more with trends.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	14							
MI/HR on Unit	40							
Sample Date	10/7/2018							
Make Up Oil Added	1 qt							
ALUMINUM	**8**	8						3
CHROMIUM	2	2						1
IRON	**24**	24						25
COPPER	4	4						10
LEAD	**43**	43						9
TIN	1	1						2
MOLYBDENUM	2	2						153
NICKEL	0	0						0
MANGANESE	1	1						1
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	2	2						1
BORON	14	14						37
SILICON	17	17						23
SODIUM	16	16						7
CALCIUM	1885	1885						2068
MAGNESIUM	9	9						117
PHOSPHORUS	1378	1378						840
ZINC	1423	1423						891
BARIUM	0	0						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	58.1	58-65					
cSt Viscosity @ 100°C	9.68	9.7-11.9					
Flashpoint in °F	390	>385					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	0.0					
Insolubles %	0.3	<0.6					
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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