OIL REPORT

LAB NUMBER: P63550 **UNIT ID:** 89 MONK 42-P
REPORT DATE: 4/20/2022 **CLIENT ID:** 199925
CODE: 20/68 **PAYMENT:** CC: Visa

UNIT

MAKE/MODEL: Cummins Marine 6BT 5.9L
FUEL TYPE: Diesel
ADDITIONAL INFO: Trawler
OIL TYPE & GRADE: Shell Rotella T4 15W/40
OIL USE INTERVAL: 210 Hours

CLIENT

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COMMENTS

DAVE: Here's the sample from the port engine, and it tells a similar story to the starboard engine's sample. We expect for twin engines that see the same use to wear the same, and the fact that this engine has just as fantastic wear levels as its twin (remember, averages are based on oil run about 140 hours) means both engines are getting along well. The viscosity tested in spec despite the bit of fuel present, and fuel at only 0.5% isn't concerning in and of itself. Low insolubles points to proper oil filtration. Nice start to trends for both engines.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	210							
MI/HR on Unit	6,796							
Sample Date	4/5/2022							
Make Up Oil Added	0 qts							
ALUMINUM	1	1						2
CHROMIUM	0	0						1
IRON	3	3						12
COPPER	0	1						1
LEAD	0	0						0
TIN	0	0						0
MOLYBDENUM	1	1						20
NICKEL	0	0						0
MANGANESE	0	0						0
SILVER	0	0						0
TITANIUM	0	0						2
POTASSIUM	7	7						4
BORON	170	174						140
SILICON	3	3						6
SODIUM	3	3						5
CALCIUM	2357	2353						2020
MAGNESIUM	13	14						260
PHOSPHORUS	1062	1055						1033
ZINC	1220	1210						1169
BARIUM	0	0						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	73.1	69-79					
cSt Viscosity @ 100°C	13.76	12.7-15.5					
Flashpoint in °F	**410**	>415					
Fuel %	0.5	<3.0					
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**