



OIL REPORT

LAB NUMBER: L27843

UNIT ID: 89 SILVERTON-SE

REPORT DATE: 6/13/2019

CLIENT ID: 37975

CODE: 44/32

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: GM Marine 7.4L 454 CID V-8
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: Rebuilt engine

OIL TYPE & GRADE: Amsoil Heavy Duty Diesel & Marine 1
OIL USE INTERVAL: 15 Hours

CLIENT

MIKE
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COMMENTS

MIKE: This right engine sample shows a lot of improvement. Sodium and potassium have come down quite a bit, and what's left is probably just residual from the last oil. The same can be said of the wear metals, which look much better. It's likely that a lot of the extra metal in the last sample was just from new parts wearing in. It is possible that the improvements are just due to the shorter oil run. We'll know more next time. Fuel is down to just 1.3%, which is harmless. Change this oil and check back 15 hours again for a better comparison. ~Brian

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	15	UNIT / LOCATION AVERAGES	90					
	MI/HR on Unit	120		225					
	Sample Date	5/31/2019		4/1/2019					
	Make Up Oil Added								
	ALUMINUM	4	4	10					3
	CHROMIUM	2	2	5					1
	IRON	73	64	231					31
	COPPER	99	82	306					29
	LEAD	5	5	13					6
	TIN	1	1	3					2
	MOLYBDENUM	1	1	2					29
	NICKEL	0	0	1					0
	MANGANESE	1	2	4					3
	SILVER	0	0	0					0
	TITANIUM	0	0	1					1
	POTASSIUM	14	8	54					7
	BORON	2	3	5					84
	SILICON	30	33	86					16
	SODIUM	363	201	1380					45
	CALCIUM	3127	3084	3240					1598
	MAGNESIUM	65	41	218					514
	PHOSPHORUS	1087	1084	1173					988
	ZINC	1223	1221	1456					1174
	BARIUM	0	0	1					0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	68.3	68-78	59.4				
	cSt Viscosity @ 100°C	12.50	12.4-15.3	10.06				
	Flashpoint in °F	365	>390	310				
	Fuel %	1.3	<2.0	4.0				
	Antifreeze %	0.73	0.0	2.76				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.2	<0.6	0.3				
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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