



OIL REPORT

LAB NUMBER:
 REPORT DATE: 3/29/2019
 CODE:

UNIT ID: SERIAL #3
 CLIENT ID:
 PAYMENT: PO

UNIT	MAKE/MODEL:	OIL TYPE & GRADE:
	FUEL TYPE:	OIL USE INTERVAL: 42 Cycles
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS Note the levels of aluminum, chrome, and iron in the spectral exam. No moisture is present but insolubles have reached 1.0% and the oil is fairly acidic, with the TAN coming back at 5.6. The viscosity read low for the oil type and the oil was too dirty for a PC.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	42	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	3/22/2019						
	Make Up Oil Added							
	ALUMINUM	65	15					7
	CHROMIUM	5	1					0
	IRON	3113	158					95
	COPPER	12	11					13
	LEAD	0	1					5
	TIN	0	1					1
	MOLYBDENUM	0	0					0
	NICKEL	1	1					1
	MANGANESE	32	28					24
	SILVER	0	0					0
	TITANIUM	2	0					0
	POTASSIUM		3					3
	BORON	47	78					86
	SILICON	45	54					44
	SODIUM	26	10					8
	CALCIUM	8	204					178
	MAGNESIUM	2	32					36
	PHOSPHORUS	2121	222					250
	ZINC	6	7					10
	BARIUM	1	6					4

Values Should Be*

PROPERTIES	Value	Should Be*				
SUS Viscosity @ 210°	49.4	67-81				
cSt Viscosity @ 100°C	7.09	12.2-16.0				
Flashpoint in °F	375	>360				
Fuel %	-					
Antifreeze %	-					
Water %	0.0	<0.1				
Insolubles %	1.0	<0.8				
TBN						
TAN	5.6					
ISO Code	DIRTY					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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