



# OIL REPORT

LAB NUMBER:  
 REPORT DATE: 4/12/2019  
 CODE: 20/32

UNIT ID: 6086  
 CLIENT ID:  
 PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Diesel Engine	OIL TYPE & GRADE: 10W/30
	FUEL TYPE: Diesel	OIL USE INTERVAL: Hours
	ADDITIONAL INFO:	

<b>CLIENT</b>	
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**COMMENTS** We didn't get a lot of information with this sample, but we guessed it came out of a diesel engine. For now, our generic diesel engine averages are based on oil run ~365 hours. No issues stand out in the overall balance of metals, and the marginally low flashpoint (showing a trace of fuel dilution) is harmless. The fuel hasn't caused any problems, as wear levels are fine and the viscosity still read in the 10W/30 range. Nice report.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil		<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	1,413						
	Sample Date	3/15/2019						
	Make Up Oil Added	0 qts						
ALUMINUM	3							4
CHROMIUM	1							1
IRON	33							28
COPPER	8							8
LEAD	9							6
TIN	1							1
MOLYBDENUM	41							43
NICKEL	0							0
MANGANESE	1							1
SILVER	0							0
TITANIUM	0							1
POTASSIUM	0							3
BORON	6							89
SILICON	3							7
SODIUM	8							8
CALCIUM	1435							2144
MAGNESIUM	1004							316
PHOSPHORUS	1115							1032
ZINC	1314							1222
BARIUM	0							0

Values Should Be\*

<b>PROPERTIES</b>							
	SUS Viscosity @ 210°	60.4	58-68				
cSt Viscosity @ 100°C	10.33	9.7-12.7					
Flashpoint in °F	<b>400</b>	>400					
Fuel %	TR	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	0.0					
Insolubles %	0.2	<0.6					
TBN							
TAN							
ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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