



LAZY SUNDAY H56646 - CENTER DIESEL ENGINE

Sample No: VPA059311

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION					
Sample Date 20 Dec 2023 20 Jan 2023 Machine Hours 332 529	SAMPLE INFORMAT	TION			
Sample Date 20 Dec 2023 20 Jan 2023 Machine Hours 332 529	Sample Number		VPA059311	VPA044404	
Machine Hours 332 529 Oil Hours 10 51 Oil Changed Changed Sample Status NORMAL NORMAL OIL CONDITION Vise @ 100°C CSt \$\frac{14.0}{2}\$ \$\frac{13.9}{2}\$ COXIGATION Water (RN) 65 65 COXIGATION (PA) 6 65 65 COXIGATION (PA) 6 NEG NEG <	•				
Oil Hours 10 51 Oil Changed Sample Status Changed NORMAL Changed NORMAL OIL CONDITION Visc @ 100°C	•				
Oil Changed Sample Status Changed NORMAL Changed NORMAL					
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OIL CONDITION Visc @ 100°C cSt 114.0 113.9	_		_		
Visc @ 100°C			110111111111		
Base Number (BN) mg KOH/g 8.7 9.1 Oxidation (PA) % 65 65 CONTAMINATION Water % NEG NEG Soot % 0.1 0.1 Sulfation (PA) % 47 48 Sulfation (PA) % 55 56 Silicon Ppm 4 3 Silicon Ppm 0 0 2 Silicon Ppm 0 0 2 Silicon Ppm 14 3 Sodium Ppm 0 15 8 Silicon Ppm 15 8 Silicon Ppm 16 21 Silicon Ppm 17 0 2 Silicon Ppm 18 13 Silicon Ppm 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OIL CONDITION				
CONTAMINATION Water % NEG NEG Soot % % 0.1 0.1 Soot % % 0.1 0.1 Sulfation (PA) % 55 56 Sulfation (PA) % 55 56 Glycol % NEG NEG Fuel % <1.0	Visc @ 100°C	cSt	14.0	■13.9	
Water % NEG NEG Soot % % 0.1 0.1 0.1 Soot % % 47 48 Sulfation (PA) % 55 56 Sulfation (PA) % NEG NEG Silicon ppm 4 3 3 Sodium ppm 0 2 Sodium ppm 0 2 Sodium ppm 5 8 3 Sodium ppm 16 21 Sodium ppm 16 21 Sodium ppm 1 2 Sodium ppm 1 3 3 Sodium ppm 3 3 3 Sodium ppm 3 3 3 Sodium ppm 3 3 3 Sodium ppm 3 3 3 3 Sodium ppm 3 3 3 3 3 3 3 3 3	Base Number (BN)	mg KOH/g	■8.7	9.1	
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Water % NEG NEG Soot % % 0.1 0.1 Nitration (PA) % 47 48 Sulfation (PA) % 55 56 Glycol NEG NEG Fuel % <1.0	CONTAMINATION				
Soot %		%	NEG	NEG	
Nitration (PA) %					
Sulfation (PA) % 55 56 Glycol % NEG NEG Fuel % <1.0			_		
Silicon Sili	, ,				
Fuel % <1.0 <1.0 Silicon ppm 4					
Silicon ppm					
Sodium ppm 0 2 Potassium ppm 5 8 WEAR METALS Iron ppm 8 13 Copper ppm 16 21 Lead ppm 1 2 Tin ppm <1					
Potassium ppm 5 8 WEAR METALS Iron ppm 8 13 Copper ppm 16 21 Lead ppm 1 2 Tin ppm 1 <1			_		
Iron					
Iron ppm 8 13 Copper ppm 16 21 Lead ppm 1 2 Tin ppm <1	WEAR METALS				
Copper ppm 16 21 Lead ppm 1 2 Tin ppm <1				— 12	
Lead ppm 1 2 Tin ppm <1					
Tin					
Aluminum ppm 1					
Chromium ppm <1			_	_	
Molybdenum ppm 5 <1			_		
Nickel ppm <1 Titanium ppm 0 0 Silver ppm <1					
Titanium ppm 0 Silver ppm <1	-				
Silver ppm <1 0 Manganese ppm <1					
Manganese ppm <1					
Vanadium ppm <1 <1 ADDITIVES					
ADDITION					
		ppm	<1	<	
Calcium ppm □2007 □2221	ZAVITIDDA				
	Calcium	ppm	2007	2221	
Magnesium ppm 82 24	Magnesium				
Zinc ppm 1192 1251	_				
Phosphorus ppm 982 1027					
Barium ppm 0 0					
Boron ppm 160 197					

The Talaria Company

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Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot:VP592286Unique No:10830432Signed:Don BaldridgeReport Date:15 Jan 2024

OIL ANALYSIS REPORT



