OIL ANALYSIS REPORT

TIFFINE TOLLEN SAM CUMMINS/ONAN TIFFINE TOLLEN (S/N N/A) - GENSET

Sample No: VPA059161

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA059161	 	
Sample Date		22 Feb 2024	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.7	 	
Base Number (BN)	mg KOH/g	9.4	 	
Oxidation (PA)	%	66	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	68	 	
Sulfation (PA)	%	54	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	4	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	1 5	 	
Copper	ppm	2	 	
Lead	ppm	□ <1	 	
Tin	ppm	∎1	 	
Aluminum	ppm	3	 	
Chromium	ppm	1	 	
Molybdenum	ppm	■61	 	
Nickel	ppm	□ <1	 	
Titanium	ppm	■ <1	 	
Silver	ppm	0	 	
Manganese	ppm	∎1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1032	 	
Magnesium	ppm	937	 	
Zinc	ppm	1222	 	
Phosphorus	ppm	966	 	
Barium	ppm	2	 	
Boron	ppm	3	 	



Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

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 suitable for further service.

 Depot:
 VP794951

 Unique No:
 10900900

 Signed:
 Don Baldridge

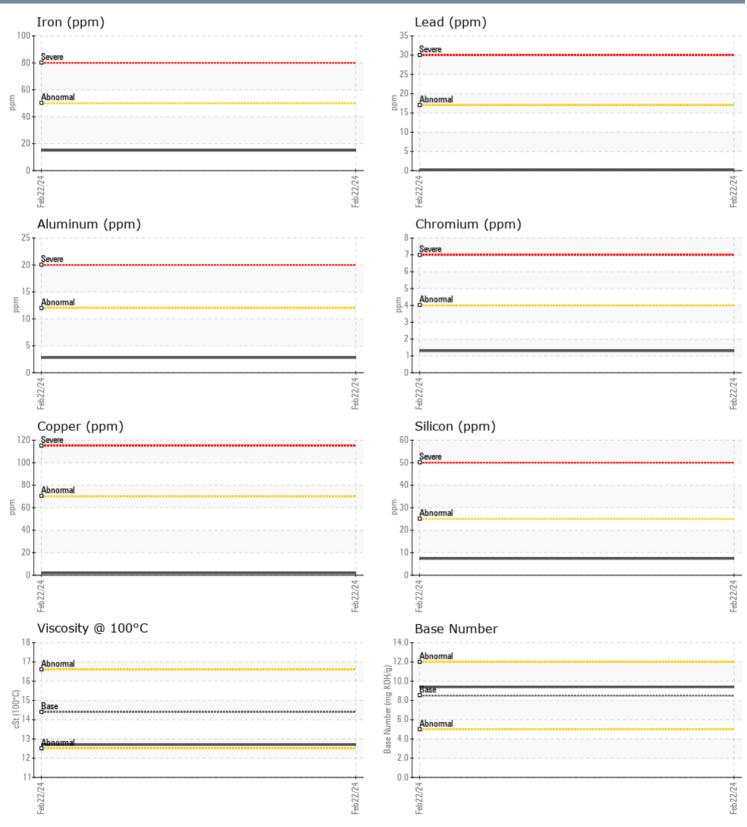
 Report Date:
 29 Feb 2024

Contact/Location: WILLOW YANARELLA - VP794951

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP794951 [WUSCAR] 06102670 (Generated: 03/04/2024 09:29:53) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951