[MIKE KOKENGE] DETROIT DIESEL 06VF216807 - STARBOARD DIESEL ENGINE

Sample No: VPA032556

Oil Type: {unknown}

SAMPLE INFORMATION

cSt

%

15.2

34

Sample Number	VPA032556	 	
Sample Date	28 Aug 2020	 	
Machine Hours	2808	 	
Oil Hours	20	 	
Oil Changed	Not Changd	 	
Sample Status	SEVERE	 	

OIL CONDITION

Visc @ 100°C Oxidation (PA)

CONTAMINATION

Water	%	0.182				
Soot %	%	0.3				
Nitration (PA)	%	46				
Sulfation (PA)	%	40				
Glycol	%	4 0.10				
Fuel	%	<1.0				
Silicon	ppm	10				
Sodium	ppm	<u> </u>				
Potassium	ppm	A 38				

WEAR METALS

Iron	ppm	7 9	 	
Copper	ppm	A 316	 	
Lead	ppm	🔺 15	 	
Tin	ppm	A 84	 	
Aluminum	ppm	2	 	
Chromium	ppm	2	 	
Molybdenum	ppm	110	 	
Nickel	ppm	2	 	
Titanium	ppm	<1	 	
Silver	ppm	□<1	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	

ADDITIVES

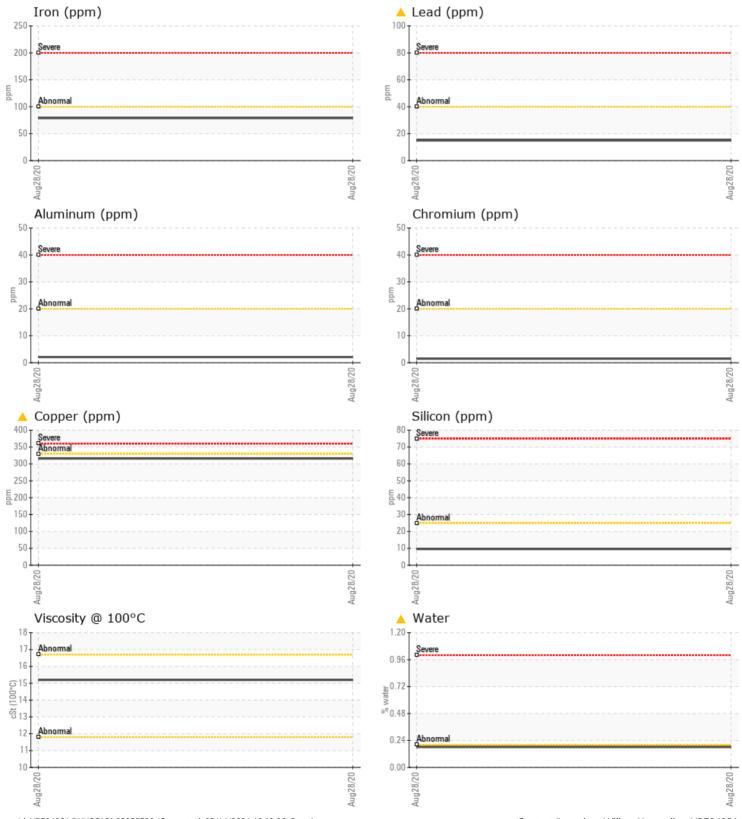
Calcium	ppm	219					
Magnesium	ppm	895					
Zinc	ppm	896				Depot:	VP794951
Phosphorus	ppm	720				Unique No:	9155960
Barium	ppm	0				Signed:	Doug Bogart
Boron	ppm	4 3				Report Date:	04 Sep 2020
Report Id: VP794951 [WUSCAR] 05055780 (Generated: 05/14/2024 10:13:04) Rev: 1 Cc					Contact/Location: Willow Yanarella - VP794951		

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

Diagnosis

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.Bearing and/or bushing wear is indicated. Sodium and/or potassium levels are high. Test for glycol is positive. There is a trace of moisture present in the oil. The oil is no longer serviceable due to the presence of contaminants and wear.

GRAPHS



Report Id: VP794951 [WUSCAR] 05055780 (Generated: 05/14/2024 10:13:06) Rev: 1

Contact/Location: Willow Yanarella - VP794951