

115055 - Diesel Engine

 Sample No:
 LH0194165

 Oil Type:
 SAE 5W30

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e:	SAE 5W30	

Sample Information							
Sample Number	LH0194165	LH	LH0155729				
Sample Date	18 Apr 2024	29 Oct 2020	16 May 2020				
Machine Hours	4709	970	420				
Oil Hours	0	0	0				
Oil Changed	Changed	Changed	Changed				
Sample Status	NORMAL	NORMAL	NORMAL				
Oil Condition							
Visc @ 100°C cSt	0 11.4	11.0	11.3				
Oxidation (PA) %	69	96	190				

Cont	aminat	ion			
Water	%	NEG	NEG	NEG	
Soot %	%	0	0	0	
Nitration (PA)	%	72	89	100	
Sulfation (PA)	%	53	65	119	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	0 1.2	0 1.4	
Silicon	ppm	6	8	0 11	
Sodium	ppm	04	○ 5	2	
Potassium	ppm	○ <1	○ <1	2	

	ar Metal	5			
Iron	ppm	3	8	0 13	
Copper	ppm	<mark></mark> <1	08	25	
Lead	ppm	0	0 1	3	
Tin	ppm	0 ()	◯ <1	2	
Aluminum	ppm	○ <1	0 1	2	
Chromium	ppm	0 🔘	○ <1	◯ <1	
Molybdenum	ppm	0 53	58	0 46	
Nickel	ppm	0 🔘	○ <1	○ <1	
Titanium	ppm	0 🔘	<1	◯ <1	
Silver	ppm	0 ()	○ <1	01	
Manganese	ppm	0 (<1	2	
Vanadium	ppm	0	0	0	

Add	itives				
Calcium	ppm	0 811	903	0 1400	
Magnesium	ppm	0 1058	0 1130	874	
Zinc	ppm	0 1129	0 1258	847	
Phosphorus	ppm	966	0 1002	688	
Barium	ppm	0 ()	6	0 48	
Boron	ppm	41	28	95	



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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 condition of the oil is acceptable for the time in service.

 Depot:
 LIEMIS

 Unique No:
 5773869

 Signed:
 Kevin Marson

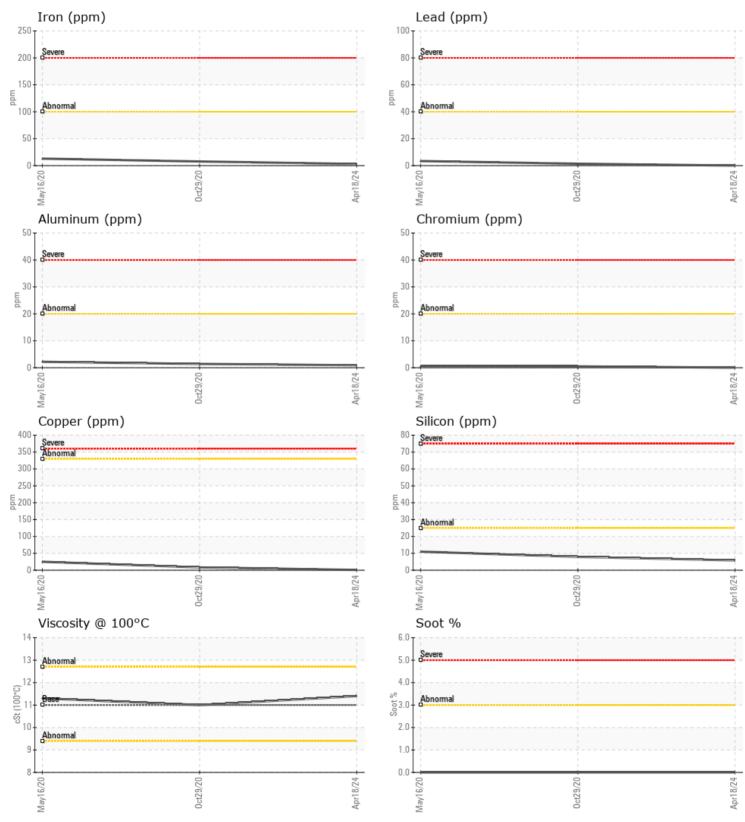
 Report Date:
 02 May 2024

 Submitted By: Rick Cule





Graphs



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