

## Machine Id BELLEVUE Component Port Reduction Gear Fluid DIESEL ENGINE OIL SAE 15W40 (10 GAL)

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

V	N	E	Α	R

The copper level is abnormal. All other component wear rates are normal.

## CONTAMINATION

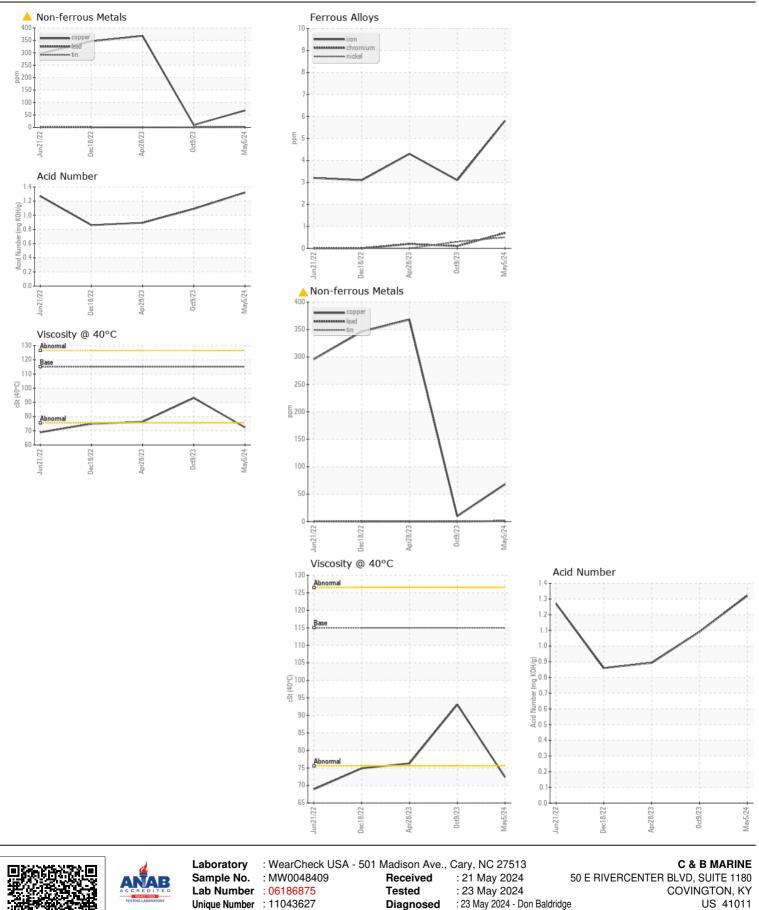
There is no indication of any contamination in the oil.

			<b>_</b>
FLU		$\mathbf{N}\mathbf{D}$	ONE
	$\mathbf{U}$		

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sample NumberClient InfoMW0048409MW0048414MW0Sample DateClient Info05 May 202409 Oct 202328 AMachine AgehrsClient Info32914301010Oil AgehrsClient Info015000Filter AgehrsClient Info15000Oil ChangedClient InfoChangedChangedChangedFilter ChangedClient InfoChangedChangedChanged	anged
Sample DateClient Info05 May 202409 Oct 202328 AMachine AgehrsClient Info32914301010Oil AgehrsClient Info015000Filter AgehrsClient Info15000Oil ChangedClient InfoChangedChangedChangedFilter ChangedClient InfoChangedChangedChangedFilter ChangedClient InfoABNORMALABNORMALABNORMAL	pr 2023 anged
Machine AgehrsClient Info32914301010Oil AgehrsClient Info015000Filter AgehrsClient Info150015000Oil ChangedClient InfoChangedChangedChangedChangedFilter ChangedClient InfoChangedChangedChangedChangedSample StatusKangedKangedABNORMALABNORMALABNORMAL	anged
Oil AgehrsClient Info015000Filter AgehrsClient Info150015000Oil ChangedClient InfoChangedChangedChaFilter ChangedClient InfoChangedChangedChaSample StatusABNORMALABNORMALABNORMALABNORMAL	0
Filter Age   hrs   Client Info   1500   0     Oil Changed   Client Info   Changed   Changed	0
Oil Changed Client Info Changed Changed Changed   Filter Changed Client Info Changed Changed Changed   Sample Status ABNORMAL NORMAL ABNORMAL	0
Filter Changed Client Info Changed Changed Changed   Sample Status ABNORMAL NORMAL ABNORMAL	0
Sample Status ABNORMAL NORMAL ABN	inged
	uigeu
Iron ppm ASTM D5185m >150 6 3 4	ORMAL
Iron ppm ASIM D5185m >150 6 3 4	
	:1
Nickel ppm ASTM D5185m >10 <1 <1 0	
Titanium ppm ASTM D5185m <1 0 00	
Silver ppm ASTM D5185m <1 0 00	
Aluminum ppm ASTM D5185m >25 2 8 1	
Lead ppm ASTM D5185m >100 <b>1</b> 0 C	
	868
	:1
Vanadium     ppm     ASTM D5185m     <1	
	IONE
Yellow Metal scalar *Visual NONE NONE NONE N	IONE
Silicon ppm ASTM D5185m >50 4 5 6	5
Potassium ppm ASTM D5185m >20 2 1	
Water WC Method >0.1 NEG NEG N	IEG
Silt scalar *Visual NONE NONE NONE	IONE
Debris scalar *Visual NONE NONE NONE N	IONE
Sand/Dirt scalar *Visual NONE NONE NONE	IONE
Appearance scalar *Visual NORML NORML NORML N	IORML
Odor scalar *Visual NORML NORML NORML N	IORML
Emulsified Water scalar *Visual >0.1 <b>NEG</b> NEG N	IEG
Sodium ppm ASTM D5185m >158 <1 1 3	}
Boron ppm ASTM D5185m 250 66 316 3	80
Barium ppm ASTM D5185m 10 0 0	)
Molybdenum ppm ASTM D5185m 100 42 122 1	18
Manganese ppm ASTM D5185m <1 <1	:1
Magnesium     ppm     ASTM D5185m     450     457     605     6	645
Calcium ppm ASTM D5185m 3000 1641 1361 1	663
Phosphorus     ppm     ASTM D5185m     1150     903     672     7	'57
Zinc ppm ASTM D5185m 1350 1049 816 8	373
Sulfur     ppm     ASTM D5185m     4250     3648     2796     3	180
Acid Number (AN) mg KOH/g ASTM D8045 1.32 1.09 C	.893
	6.3

Contact/Location: DAVID WESTRICH - CBMMEL



Test Package : MAR 2 Contact: DAVID WESTRICH Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dwestrich@carlislebray.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: CBMMEL [WUSCAR] 06186875 (Generated: 05/23/2024 14:41:13) Rev: 1

Contact/Location: DAVID WESTRICH - CBMMEL

T: (812)290-4063

F: (859)655-7504