

#### Machine Id **13083** Component **Hydraulic System** Fluid **{not provided} (--- GAL)**

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### WEAR

All component wear rates are normal.

## CONTAMINATION

There is a high amount of particulates present in the oil.

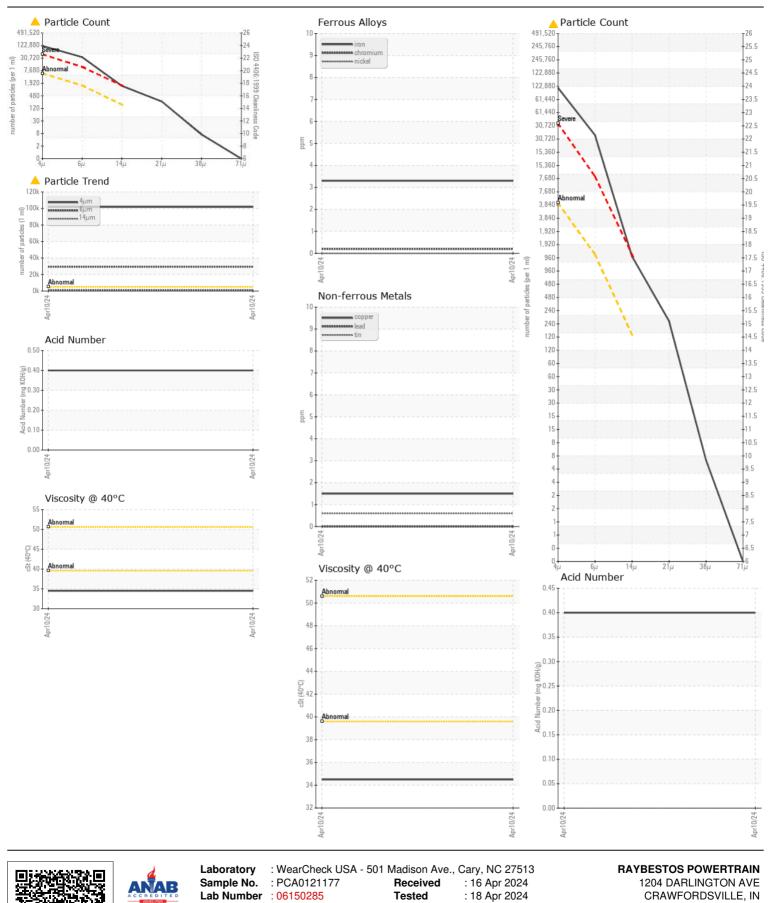
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#### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

TestUOMMethodLimit/ACurrentHistory1History1Sample NumberClient InfoPCA012117Sample DateClient InfoI0Oil AgehrsClient Info0Oil ChangeClient Info0Filter AgehrsClient InfoN/AFilter ChangedClient InfoN/ASample StatusABNORMAIronppmASTM D5185>203NickelppmASTM D5185>200NickelppmASTM D5185>200SilverppmASTM D5185>200AluminumppmASTM D5185>200CopperppmASTM D5185>200VanadiumppmASTM D5185>200VanadiumppmASTM D5185>202VanadiumppmASTM D5185>20AVanadiumppmASTM D5185>20AVanadiumppmASTM D5185>152SilconppmASTM D5185>152Particles >4µmASTM D7647>100					~~~~~		
Sample Date     Client Info     I0 Apr 2024         Machine Age     hrs     Client Info     0         Oil Age     hrs     Client Info     0         Oil Changed     Client Info     0         Filter Changed     Client Info     N/A         Sample Status     Client Info     N/A         Sample Status     Client Info     N/A         Iron     ppm     ASTM D5185m     >20     -1         Nickel     ppm     ASTM D5185m     >20     0         Silver     ppm     ASTM D5185m     >20     0         Gopper     ppm     ASTM D5185m     >20     0         Vanadium     ppm     ASTM D5185m     >20          Vanadium     ppm     ASTM D5185m     >20	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age Oil Age hrsClient Info Client Info0Filter Age Filter Age Silter ChangedClient Info Client InfoN/AFilter Changed Sample StatusClient Info Client InfoN/AFilter Changed Sample StatusClient Info Client InfoN/AIronppmASTM D5185m ASTM D5185m-203IronppmASTM D5185m ASTM D5185m-200NickelppmASTM D5185m ASTM D5185m0SilverppmASTM D5185m ASTM D5185m0AluminumppmASTM D5185m ASTM D5185m200YanadiumppmASTM D5185m ASTM D5185m20YanadiumppmASTM D5185m ASTM D5185m20Yellow Metalscalar*VisualNONESiliconppmASTM D5185m ASTM D5185m2Particles >4µmASTM D647 ASTM D	Sample Number		Client Info		PCA0121177		
Oil AgehrsClient Info0Filter AgehrsClient InfoN/AOil ChangedClient InfoN/ASample StatusClient InfoN/ATronppmASTM D5185m>203NickelppmASTM D5185m>20-1NickelppmASTM D5185m>200NickelppmASTM D5185m>200AluminumppmASTM D5185m>200LeadppmASTM D5185m>200VanadiumppmASTM D5185m>202VanadiumppmASTM D5185m>202VanadiumppmASTM D5185m>152VanadiumppmASTM D5185m>152SiliconppmASTM D5185m>152Particles >4µmCASTM D5185m>110A11335Particles >4µmASTM D5185m>152SiliconppmASTM D5185m>152Particles >4µmCASTM D7647>100A1235Particles >4µmASTM D7647>100A24288 <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>10 Apr 2024</th> <th></th> <th></th>	Sample Date		Client Info		10 Apr 2024		
Filter Age     hrs     Client Info     0         Oil Changed     Client Info     N/A         Filter Changed     Client Info     N/A         Sample Status     Client Info     N/A         Sample Status     StM D5185m     >20     3         Iron     ppm     ASTM D5185m     >20     -1         Nickel     ppm     ASTM D5185m     >20          Titanium     ppm     ASTM D5185m     >20     0         Aluminum     ppm     ASTM D5185m     >20     2         Copper     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >20     <1         Vellow Metal     scalar     *Visual     NONE     NONE         Vellow M	Machine Age	hrs	Client Info		0		
Oil Changed     Client Info     N/A         Filter Changed     Client Info     N/A         Sample Status     Client Info     N/A         Iron     ppm     ASTM D5185m     >20     3         Nickel     ppm     ASTM D5185m     >20     0         Silver     ppm     ASTM D5185m     >20     0         Aluminum     ppm     ASTM D5185m     >20     <1         Aluminum     ppm     ASTM D5185m     >20     <1         Vanadum     ppm     ASTM D5185m     >20     8         Vellow Metal	Oil Age	hrs	Client Info		0		
Filter Changed Sample Status     Client Info     N/A      ABNORMAL        Sample Status      ABNORMAL         Iron     ppm     ASTM D5185m     >20     3         Nickel     ppm     ASTM D5185m     >20     0         Nickel     ppm     ASTM D5185m     >20     0         Aluminum     ppm     ASTM D5185m     >20     0         Aluminum     ppm     ASTM D5185m     >20     0         Auminum     ppm     ASTM D5185m     >20     0         Vanadium     ppm     ASTM D5185m     >20     0        Vanadum     ppm     ASTM D5185m     >20     8	Filter Age	hrs	Client Info		0		
Sample Status     ABNORMAL         Iron     ppm     ASTM D5185m     >20     3         Chromium     ppm     ASTM D5185m     >20     <1         Nickel     ppm     ASTM D5185m     >20     0         Silver     ppm     ASTM D5185m     >20     0         Lead     ppm     ASTM D5185m     >20     0         Copper     ppm     ASTM D5185m     >20     0         Vanadium     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     0        Vanadium     ppm     ASTM D5185m     >20     3	Oil Changed		Client Info		N/A		
Iron     ppm     ASTM D5185m< >20     3         Chromium     ppm     ASTM D5185m     >20     <1         Nickel     ppm     ASTM D5185m     >20     0         Titanium     ppm     ASTM D5185m     >20     0         Silver     ppm     ASTM D5185m     >20     0         Lead     ppm     ASTM D5185m     >20     0         Copper     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     8         Vellow Metal     scalar     *Visual     NONE     NONE         Silicon     ppm     ASTM D5185m     >20     8         Particles >4µm     ASTM D7647     >100	Filter Changed		Client Info		N/A		
Chromium     ppm     ASTM D5185m     >20     <1	Sample Status				ABNORMAL		
Chromium     ppm     ASTM D5185m     >20     <1							
Nickel     ppm     ASTM D5185m     >20     0         Titanium     ppm     ASTM D5185m     0         Silver     ppm     ASTM D5185m     >20     0         Aluminum     ppm     ASTM D5185m     >20     0         Lead     ppm     ASTM D5185m     >20     2         Copper     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >10          Vanadium     ppm     ASTM D5185m     >20     8         Vellow Metal     scalar     Visual     NONE          Stilicon     ppm     ASTM D7647	-	ppm		>20	3		
Titanium     ppm     ASTM D5185m     O         Silver     ppm     ASTM D5185m     >20     0         Aluminum     ppm     ASTM D5185m     >20     0         Lead     ppm     ASTM D5185m     >20     2         Copper     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     7         Vanadium     ppm     ASTM D5185m     NONE          Vanadium     ppm     ASTM D5185m     5     2         Vallow Metal     scalar     "Visual     NONE     NONE         Patticles >4µm     ASTM D7647     >100     A     1235         Particles >1µm     ASTM D7647     >10<		ppm		>20			
Silver     ppm     ASTM D5185m     0         Aluminum     ppm     ASTM D5185m     >20     0         Lead     ppm     ASTM D5185m     >20     0         Copper     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     4         Vanadium     ppm     ASTM D5185m     >20     R         Valido     Scalar     *Visual     NONE          Yellow Metal     scalar     *Visual     NONE     NONE         Yellow Metal     scalar     *Visual     NONE     A        Patticles >4µm     ASTM D7647     >100     A     228         Patticles >1µm     ASTM D7647     >30	Nickel	ppm	ASTM D5185m	>20	0		
Aluminum     ppm     ASTM D5185m     >20     0         Lead     ppm     ASTM D5185m     >20     0         Copper     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >15     2         Veltow Metal     scalar     *Visual     NONE     NONE         Silicon     ppm     ASTM D5185m     >20     8         Pattices >4µm     ASTM D7647     >100     A     1235         Pattices >14µm     ASTM D7647     >100     6         Pattices >14µm     ASTM D7647	Titanium	ppm	ASTM D5185m		0		
Lead     ppm     ASTM D5185m     >20     0         Copper     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >20     <1         White Metal     scalar     *Visual     NONE          Yellow Metal     scalar     *Visual     NONE          Silicon     ppm     ASTM D5185m     >15     2         Vater     %     ASTM D6304     >0.05     NEG         Particles >4µm     ASTM D7647     >100     4     228         Particles >1µm     ASTM D7647     >10     6         Particles >21µm     ASTM D7647		ppm			-		
Copper     ppm     ASTM D5185m     >20     2         Tin     ppm     ASTM D5185m     >20     <1         Vanadium     ppm     ASTM D5185m     >20     <1         White Metal     scalar     *Visual     NONE     NONE         Yellow Metal     scalar     ND1630     >0.0     ASTM D7647     >100     ASTM D7647     >100         Particles >14µm     ASTM D7647     >10     6              <	Aluminum	ppm	ASTM D5185m	>20	0		
Tin     ppm     ASTM D5185m     >20     <1	Lead	ppm	ASTM D5185m	>20	0		
Name     ppm     ASTM D5185m     O         White Metal     scalar     *Visual     NONE     NONE         Yellow Metal     scalar     *Visual     NONE     NONE         Silicon     ppm     ASTM D5185m     >15     2         Potassium     ppm     ASTM D5185m     >20     8         Particles >4µm     ASTM D7647     >5000     A     101836         Particles >5µm     ASTM D7647     >100     A     29428         Particles >1µm     ASTM D7647     >10     6         Particles >21µm     ASTM D7647     >30          Particles >38µm     ASTM D7647     >30          Silt     scalar     *Visual     NONE     NONE         Silt     scalar     *Visual     NORM <th>Copper</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;20</th> <th>2</th> <th></th> <th></th>	Copper	ppm	ASTM D5185m	>20	2		
White Metal     scalar     *Visual     NONE     NONE         Yellow Metal     scalar     *Visual     NONE     NONE         Silicon     ppm     ASTM D5185m     >15     2         Potassium     ppm     ASTM D5185m     >20     8         Water     %     ASTM D6304     >0.05     NEG         Particles >4µm     ASTM D7647     >5000 <b>A</b> 101836         Particles >6µm     ASTM D7647     >100 <b>A</b> 228         Particles >71µm     ASTM D7647     >10     6         Silt     scalar     *Visual     NONE     NONE         Silt     scalar     *Visual     NONE     NONE         Sodiu/Dirt     scalar     *Visual     NONE     NONE         Sodium     ppm     ASTM D7647 </th <th>Tin</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;20</th> <th>&lt;1</th> <th></th> <th></th>	Tin	ppm	ASTM D5185m	>20	<1		
Yellow Metal     scalar     *Visual     NONE     NONE         Silicon     ppm     ASTM D5185m     >15     2         Potassium     ppm     ASTM D5185m     >20     8         Water     %     ASTM D6304     >0.05     NEG         Particles >4µm     ASTM D7647     >5000     ▲ 101836         Particles >6µm     ASTM D7647     >100     ▲ 29428         Particles >14µm     ASTM D7647     >40     ▲ 228         Particles >71µm     ASTM D7647     >10     6         Particles >71µm     ASTM D7647     >10     6         Solt     scalar     *Visual     NONE     NONE         Solt     scalar     *Visual     NONE     NONE         Soldor     scalar     *Visual     NORH     NORH	Vanadium	ppm	ASTM D5185m		0		
Silicon     ppm     ASTM D5185m     >15     2        Potassium     ppm     ASTM D5185m     >20     8        Water     %     ASTM D5185m     >20     8        Particles >4µm     ASTM D6304     >0.05     NEG        Particles >6µm     ASTM D7647     >5000     101836        Particles >6µm     ASTM D7647     >100     29428        Particles >6µm     ASTM D7647     >40     228        Particles >21µm     ASTM D7647     >10     6        Particles >38µm     ASTM D7647     >3     0        Particles >71µm     ASTM D7647     >3     0        Silt     scalar     *Visual     NONE     NONE        Silt     scalar     *Visual     NONE     NORE        Appearance     scalar     *Visual     NORH     NORML        Sodium     ppm     ASTM D5185m <t< th=""><th>White Metal</th><th>scalar</th><th>*Visual</th><th>NONE</th><th>NONE</th><th></th><th></th></t<>	White Metal	scalar	*Visual	NONE	NONE		
Potassium     ppm     ASTM D5185m     >20     8        Water     %     ASTM D6304     >0.05     NEG        Particles >4µm     ASTM D7647     >5000     101836         Particles >6µm     ASTM D7647     >1300     29428         Particles >6µm     ASTM D7647     >160     1235         Particles >14µm     ASTM D7647     >10     6         Particles >38µm     ASTM D7647     >10     6         Particles >71µm     ASTM D7647     >3     0         Particles >38µm     ASTM D7647     >3     0         Silt     scalar     Yusual     NONE     NONE         Silt     scalar     Yusual     NORK     NORK         Appearance     scalar     Yusual     NORK     NORK         G	Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium     ppm     ASTM D5185m     >20     8        Water     %     ASTM D6304     >0.05     NEG        Particles >4µm     ASTM D7647     >5000     101836         Particles >6µm     ASTM D7647     >1300     29428         Particles >6µm     ASTM D7647     >160     1235         Particles >14µm     ASTM D7647     >10     6         Particles >38µm     ASTM D7647     >10     6         Particles >71µm     ASTM D7647     >3     0         Particles >38µm     ASTM D7647     >3     0         Silt     scalar     Yusual     NONE     NONE         Silt     scalar     Yusual     NORK     NORK         Appearance     scalar     Yusual     NORK     NORK         G							
Water%ASTM D6304>0.05NEGParticles >4µmASTM D7647>5000A101836Particles >6µmASTM D7647>100A29428Particles >14µmASTM D7647>100A2280Particles >38µmASTM D7647>106Particles >31µmASTM D7647>106Particles >71µmASTM D7647>300Oil CleanlinessISO 4406 (c)>19/17/14A24/22/17Siltscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLSodiumppmASTM D5185mA4BoronppmASTM D5185mA0ManganeseppmASTM D5185m0ManganeseppmASTM D5185m0PhosphorusppmASTM D5185m356Acid Number (AN)mpMASTM D5185m356ManganeseppmASTM D5185m356PhosphorusppmA							
Particles >4µm     ASTM D7647     >5000     101836        Particles >6µm     ASTM D7647     >1300     29428         Particles >14µm     ASTM D7647     >160     1235         Particles >21µm     ASTM D7647     >40     228         Particles >38µm     ASTM D7647     >10     6         Particles >71µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Silt     scalar     *Visual     NONE     NONE         Silt     scalar     *Visual     NONE     NONE         Sand/Dirt     scalar     *Visual     NORM     NORML         Appearance     scalar     *Visual     NORM     NORML         Gdor     scalar     *Visual     NORM     Act					-		
Particles >6μm     ASTM D7647     >1300     29428         Particles >14μm     ASTM D7647     >160     1235         Particles >21μm     ASTM D7647     >40     228         Particles >38µm     ASTM D7647     >10     6         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >19/17/1     24/22/17         Silt     scalar     *Visual     NONE     NONE         Sand/Dirt     scalar     *Visual     NONE     NORE         Appearance     scalar     *Visual     NORM     NORML         Odor     scalar     *Visual     NORM     NORML         Godr     scalar     *Visual     NORM     Marce         Boron     ppm     ASTM D5185m     4		%					
Particles >14µm     ASTM D7647     >160     ▲ 1235         Particles >21µm     ASTM D7647     >10     6         Particles >38µm     ASTM D7647     >10     6         Particles >71µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >191/114 <b>24/22/17</b> Silt     scalar     *Visual     NONE     NONE         Sand/Dirt     scalar     *Visual     NONE     NONE         Appearance     scalar     *Visual     NORM     NORML         Odor     scalar     *Visual     NORM     NORML         Sodium     ppm     ASTM D5185m     3         Barium     ppm     ASTM D5185m     0 <th>Particles &gt;4µm</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Particles >4µm						
Particles >21µmASTM D7647>40▲ 228Particles >38µmASTM D7647>106Particles >71µmASTM D7647>30Oil CleanlinessISO 4406 (c)>1917/14 <b>24/22/17</b> Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLCodorscalar*VisualNORMNORMLSodiumppmASTM D5185m3BoronppmASTM D5185m0MagnaeseppmASTM D5185m0MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m235PhosphorusppmASTM D5185m356SulfurppmASTM D5185m356Acid Number (AN)mg KOHgASTM D5185m0.40	Particles >6µm		ASTM D7647	>1300	<b>A</b> 29428		
Particles >38µm     ASTM D7647     >10     6        Particles >71µm     ASTM D7647     >3     0        Oil Cleanliness     ISO 4406 (c)     >19/17/14     24/22/17         Silt     scalar     *Visual     NONE     NONE         Debris     scalar     *Visual     NONE     NONE         Sand/Dirt     scalar     *Visual     NONE     NONE         Appearance     scalar     *Visual     NORM     NORML         Odor     scalar     *Visual     NORM     NORML         Godor     scalar     *Visual     NORM     NORML         Motor     scalar     *Visual     NORM     NORML         Godor     scalar     *Visual     NORM     NORML         Boron     ppm     ASTM D5185m     0			ASTM D7647	>160			
Particles >71µm     ASTM D7647     >3     0        Oil Cleanliness     ISO 4406 (c)     >19/17/14     ▲ 24/22/17         Silt     scalar     *Visual     NONE     NONE         Debris     scalar     *Visual     NONE     NONE         Sand/Dirt     scalar     *Visual     NONE     NONE         Appearance     scalar     *Visual     NORM     NORML         Odor     scalar     *Visual     NORML     NORML         Odor     scalar     *Visual     NORML     NORML         Odor     scalar     *Visual     NORML     NORML         Sodium     ppm     ASTM D5185m     3         Boron     ppm     ASTM D5185m     4         Manganese     ppm     ASTM D5185m     0							
Oil CleanlinessISO 4406 (c) >19/17/1424/22/17Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGSodiumppmASTM D5185m3BoronppmASTM D5185m0MalganeseppmASTM D5185m0MagnesiumppmASTM D5185m235PhosphorusppmASTM D5185m312ZincppmASTM D5185m978SulfurppmASTM D5185m0.40	Particles >38µm				6		
Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGSodiumppmASTM D5185m3BoronppmASTM D5185m0BariumppmASTM D5185m0MaganeseppmASTM D5185m0MagnesiumppmASTM D5185m235PhosphorusppmASTM D5185m312ZincppmASTM D5185m356SulfurppmASTM D5185m0.400					•		
Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGSodiumppmASTM D5185m3BoronppmASTM D5185m4BariumppmASTM D5185m0MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m235PhosphorusppmASTM D5185m356ZincppmASTM D5185m978Acid Number (AN)mg KOHgASTM D50450.400			( )		<u> </u>		
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGSodiumppmASTM D5185m3BoronppmASTM D5185m4BariumppmASTM D5185m0MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m235PhosphorusppmASTM D5185m356ZincppmASTM D5185m978SulfurppmASTM D5185m0.40	Silt	scalar	*Visual	NONE	NONE		
Appearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGSodiumppmASTM D5185m3BoronppmASTM D5185m4BariumppmASTM D5185m0MolybdenumppmASTM D5185m0MagnaeseppmASTM D5185m0MagnesiumppmASTM D5185m235PhosphorusppmASTM D5185m356ZincppmASTM D5185m978SulfurppmASTM D5185m0.400	Debris	scalar	*Visual	NONE	NONE		
Odor     scalar     *Visual     NORML     NORML        Emulsified Water     scalar     *Visual     >0.05     NEG        Sodium     ppm     ASTM D5185m     3         Boron     ppm     ASTM D5185m     4         Barium     ppm     ASTM D5185m     0         Molybdenum     ppm     ASTM D5185m     0         Magnesium     ppm     ASTM D5185m     0         Calcium     ppm     ASTM D5185m     235         Phosphorus     ppm     ASTM D5185m     356         Zinc     ppm     ASTM D5185m     356         Sulfur     ppm     ASTM D5185m     978         Acid Number (AN)     mg KOH/g     ASTM D5185m     0.400	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water     scalar     *Visual     >0.05     NEG        Sodium     ppm     ASTM D5185m     3         Boron     ppm     ASTM D5185m     4         Barium     ppm     ASTM D5185m     0         Molybdenum     ppm     ASTM D5185m     0         Magnesium     ppm     ASTM D5185m     0         Calcium     ppm     ASTM D5185m     0         Phosphorus     ppm     ASTM D5185m     235         Zinc     ppm     ASTM D5185m     356         Sulfur     ppm     ASTM D5185m     978         Acid Number (AN)     mg KOHlg     ASTM D5185m     0.40	Appearance	scalar	*Visual	NORML	NORML		
Sodium     ppm     ASTM D5185m     3        Boron     ppm     ASTM D5185m     4        Barium     ppm     ASTM D5185m     0        Barium     ppm     ASTM D5185m     0        Molybdenum     ppm     ASTM D5185m     0        Manganese     ppm     ASTM D5185m     0        Magnesium     ppm     ASTM D5185m     0        Calcium     ppm     ASTM D5185m     235        Phosphorus     ppm     ASTM D5185m     312        Zinc     ppm     ASTM D5185m     356        Sulfur     ppm     ASTM D5185m     978        Acid Number (AN)     mg KOH/g     ASTM D5045     0.40		scalar		NORML	NORML		
Boron     ppm     ASTM D5185m     4        Barium     ppm     ASTM D5185m     0        Molybdenum     ppm     ASTM D5185m     0        Manganese     ppm     ASTM D5185m     0        Magnesium     ppm     ASTM D5185m     0        Calcium     ppm     ASTM D5185m     70        Phosphorus     ppm     ASTM D5185m     235        Zinc     ppm     ASTM D5185m     312        Sulfur     ppm     ASTM D5185m     978        Acid Number (AN)     mg KOH/g     ASTM D8045     0.40	Emulsified Water	scalar	*Visual	>0.05	NEG		
Boron     ppm     ASTM D5185m     4        Barium     ppm     ASTM D5185m     0        Molybdenum     ppm     ASTM D5185m     0        Manganese     ppm     ASTM D5185m     0        Magnesium     ppm     ASTM D5185m     0        Calcium     ppm     ASTM D5185m     70        Phosphorus     ppm     ASTM D5185m     235        Zinc     ppm     ASTM D5185m     312        Sulfur     ppm     ASTM D5185m     978        Acid Number (AN)     mg KOH/g     ASTM D8045     0.40					•		
Barium     ppm     ASTM D5185m     O        Molybdenum     ppm     ASTM D5185m     O        Manganese     ppm     ASTM D5185m     O        Magnesium     ppm     ASTM D5185m     O        Calcium     ppm     ASTM D5185m     Z35        Phosphorus     ppm     ASTM D5185m     312        Zinc     ppm     ASTM D5185m     356        Sulfur     ppm     ASTM D5185m     978        Acid Number (AN)     mg KOH/g     ASTM D8045     0.40	-						
Molybdenum     ppm     ASTM D5185m     O         Manganese     ppm     ASTM D5185m     O         Magnesium     ppm     ASTM D5185m     O         Calcium     ppm     ASTM D5185m     Z35         Phosphorus     ppm     ASTM D5185m     312         Zinc     ppm     ASTM D5185m     356         Sulfur     ppm     ASTM D5185m     978         Acid Number (AN)     mg KOH/g     ASTM D8045     0.40							
Manganese     ppm     ASTM D5185m     0        Magnesium     ppm     ASTM D5185m     70        Calcium     ppm     ASTM D5185m     235        Phosphorus     ppm     ASTM D5185m     312        Zinc     ppm     ASTM D5185m     356        Sulfur     ppm     ASTM D5185m     978        Acid Number (AN)     mg KOH/g     ASTM D8045     0.40							
Magnesium     ppm     ASTM D5185m     70         Calcium     ppm     ASTM D5185m     235         Phosphorus     ppm     ASTM D5185m     312         Zinc     ppm     ASTM D5185m     356         Sulfur     ppm     ASTM D5185m     978         Acid Number (AN)     mg KOH/g     ASTM D8045     0.40	,						
Calcium     ppm     ASTM D5185m     235         Phosphorus     ppm     ASTM D5185m     312         Zinc     ppm     ASTM D5185m     356         Sulfur     ppm     ASTM D5185m     978         Acid Number (AN)     mg KOH/g     ASTM D8045     0.40	•						
Phosphorus     ppm     ASTM D5185m     312         Zinc     ppm     ASTM D5185m     356         Sulfur     ppm     ASTM D5185m     978         Acid Number (AN)     mg KOH/g     ASTM D8045     0.40	0						
Zinc     ppm     ASTM D5185m     356         Sulfur     ppm     ASTM D5185m     978         Acid Number (AN)     mg KOH/g     ASTM D8045     0.40							
Sulfur     ppm     ASTM D5185m     978        Acid Number (AN)     mg KOH/g     ASTM D8045     0.40							
Acid Number (AN) mg KOH/g ASTM D8045 0.40	-						
Visc @ 40°C cSt ASTM D445 34.5	,						
	Visc @ 40°C	cSt	ASTM D445		34.5		

# WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL



Diagnosed Unique Number : 10980363 : 18 Apr 2024 - Don Baldridge Test Package : PLANT Contact: DON B. Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - 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: RAYCRAIN [WUSCAR] 06150285 (Generated: 04/18/2024 19:25:40) Rev: 1

Contact/Location: DON B. - RAYCRAIN Page 2 of 2

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