

#### LOG LINE Machine Id LINE 2 INFEED DECK HPU RESERVOIR (S/N DE205T05) Component Hydraulic System

### Fluid

# AW HYDRAULIC OIL ISO 68 (--- GAL)

### RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We recommend you service the filters on this component. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

#### WEAR

All component wear rates are normal.

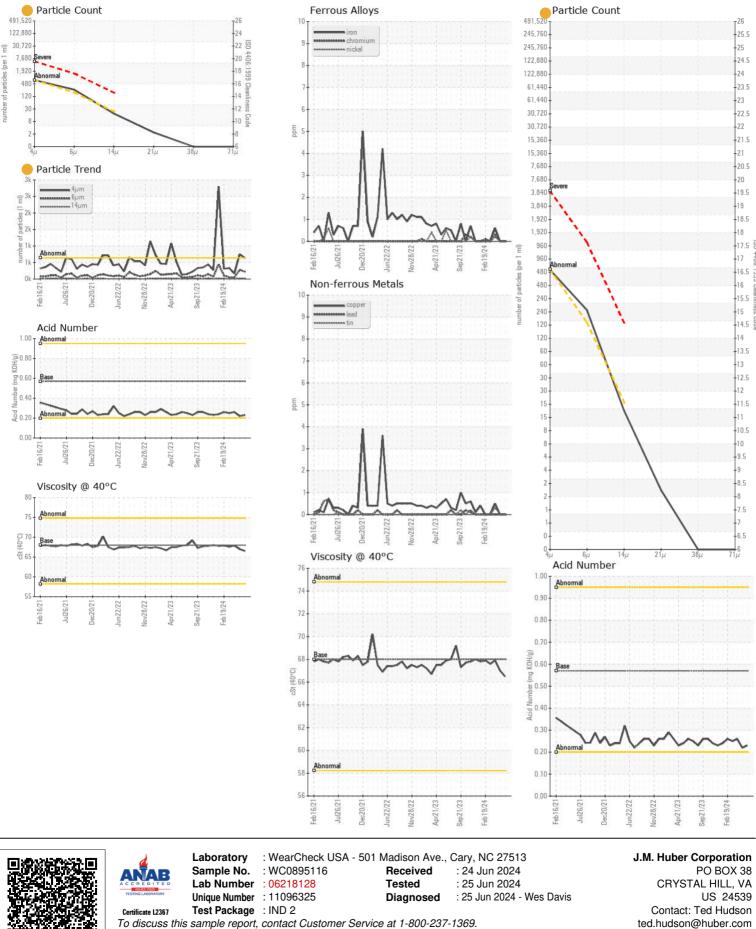
## CONTAMINATION

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

#### FLUID CONDITION

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

Test     UOM     Method     Limit/Ab     Current     History1     History2       Sample Number     Client Info     WC0895116     WC0895116     WC0895077     WC08157631       Sample Date     Client Info     0     0     0     0       Gli Age     hrs     Client Info     0     0     0       Gli Age     hrs     Client Info     N/A     N/A     N/A       Gli Changed     Client Info     N/A     N/A     N/A       Sample Data     Client Info     N/A     N/A     N/A       Sample Status     Client Info     N/A     N/A     N/A       Iron     ppm     ASTM D5185m     >20     0     0     <1       Irianium     ppm     ASTM D5185m     >20     0     0     <1       Aluminum     ppm     ASTM D5185m     >20     0     0     <1       Vanadum     ppm     ASTM D5185m     >20     0     0     <1       Vanadum     ppm     ASTM D5185m     <							
Sample Date     Client Info     17 Jun 2024     24 May 2024     18 Apr 2024       Machine Age     hrs     Client Info     0     0     0       Oil Age     hrs     Client Info     0     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     N/A       Filter Age     nrs     Client Info     N/A     N/A     N/A       Sample Status     TENTON     ATTENTON     ATTENTON     ATTENTON     NORMAL       Iron     ppm     ASTM 05185m     >20     0     0     <1       Nickel     ppm     ASTM 05185m     20     0     0     <1       Nickel     ppm     ASTM 05185m     >20     0     0     <1       Silver     ppm     ASTM 05185m     >20     0     0     <1       Aluminum     ppm     ASTM 05185m     >20     0     0     <1       Vanadium     ppm     ASTM 05185m     >20     0     0     <1       Vana	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age Oil Age     hrs     Client Info     0     0     0     0       Filter Age     hrs     Client Info     0     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     N/A       Filter Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     Client Info     N/A     ATTENTION     ATTENTION     NCRMAL       Iron     ppm     ASTM D5185m     >20     0     0     <1       Nickel     ppm     ASTM D5185m     >20     0     0     <1       Silver     ppm     ASTM D5185m     >20     0     0     <1       Silver     ppm     ASTM D5185m     >20     0     0     <1     <1       Visual     NONE     NONE     NONE     NONE     NONE     NONE     NONE       Visual     NONE     NONE     NONE     NONE     NONE     NONE     NONE       Visual     NONE     NONE     <	Sample Number		Client Info		WC0895116	WC0895077	WC06157631
Oil Age     hrs     Client Info     0     0     0       Filter Age     hrs     Client Info     N/A     N/A     N/A     N/A       Glient Info     N/A     N/A     N/A     N/A     N/A       Sample Status     Client Info     N/A     ATTENTION     ATTENTION     NORMAL       Iron     ppm     ASTM D5185m     >20     0     0     <1       Nickel     ppm     ASTM D5185m     >20     0     0     <1       Silver     ppm     ASTM D5185m     >20     0     0     <1       Silver     ppm     ASTM D5185m     >20     0     0     <1       Tin     ppm     ASTM D5185m     >20     0     0     <1       Vanadium     ppm     ASTM D5185m     >20     0     0     <1       Vanadium     ppm     ASTM D5185m     >15     0     <1     <1       Vanadium     ppm     ASTM D5185m     >15     0     <1     <1	Sample Date		Client Info		17 Jun 2024	24 May 2024	18 Apr 2024
Filter Age     hrs     Client Info     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     N/A       Filter Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     ATTENTION     ATTENTION     ATTENTION     ATTENTION     NORMAL       Iron     ppm     ASTM D5185m     >20     0     0     <1       Chromium     ppm     ASTM D5185m     >20     0     0     <1       Nickel     ppm     ASTM D5185m     >20     0     0     <1       Aluminum     ppm     ASTM D5185m     >20     0     0     <1       Aluminum     ppm     ASTM D5185m     >20     0     0     <1     <1       Vanadium     ppm     ASTM D5185m     >20     0     0     <1     <1       White Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE <t< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>0</th><th>0</th><th>0</th></t<>	Machine Age	hrs	Client Info		0	0	0
Oil Changed     Client Info     N/A     N/A     N/A     N/A       Filter Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     Client Info     N/A     ATTENTION     N/A     N/A       Iron     ppm     ASTM D5185m     >20     0     0     <1       Nickel     ppm     ASTM D5185m     >20     0     0     <1       Silver     ppm     ASTM D5185m     >20     0     0     <1       Silver     ppm     ASTM D5185m     >20     0     0     <1       Copper     ppm     ASTM D5185m     >20     0     0     <1       Tin     ppm     ASTM D5185m     >20     0     0     <1       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D7647     >60     21     278	Oil Age	hrs	Client Info		0	0	0
Filter Changed Sample Status     Client Info     N/A     N/A     N/A     N/A       Iron     ppm     ASTM D5185m     >20     0     0     <1       Iron     ppm     ASTM D5185m     >20     0     0     <1       Nickel     ppm     ASTM D5185m     >20     0     0     <1       Titanium     ppm     ASTM D5185m     >20     0     0     <1       Silver     ppm     ASTM D5185m     >20     0     0     <1       Aluminum     ppm     ASTM D5185m     >20     0     0     <1       Vanadium     ppm     ASTM D5185m     >20     2     0     1       Vanadium     ppm     ASTM D5185m     >20     0     1<	Filter Age	hrs	Client Info		0	0	0
Sample Status     ATTENTION     ATTENTION     NORMAL       Iron     ppm     ASTM D5185m     >20     0     0     <1       Chromium     ppm     ASTM D5185m     >20     0     0     <1       Nickel     ppm     ASTM D5185m     >20     0     0     <1       Silver     ppm     ASTM D5185m     >20     0     0     21       Lead     ppm     ASTM D5185m     >20     0     0     21       Lead     ppm     ASTM D5185m     >20     0     0     <1       Vanadium     ppm     ASTM D5185m     >20     0     <1     <16       Vellow Metal     scalar     *Visual     NONE     NORE     NORE     NORE	Oil Changed		Client Info		N/A	N/A	N/A
Iron     ppm     ASTM D5185m     >20     0     0     <11	Filter Changed		Client Info		N/A	N/A	N/A
Chromium     ppm     ASTM D5185m     >20     0     0     <1	Sample Status				ATTENTION	ATTENTION	NORMAL
Chromium     ppm     ASTM D5185m     >20     0     0     <1							
Nickel     ppm     ASTM D5185m     >20     0     0     <1	-	ppm			-		<1
Titanium     ppm     ASTM D5185m     0     0     <1		ppm		-	-		<1
Silver     ppm     ASTM D5185m     0     0     0     0       Aluminum     ppm     ASTM D5185m<>20     0     0     0     2       Lead     ppm     ASTM D5185m<>20     0     0     0     1       Tin     ppm     ASTM D5185m     >20     0     0     <1       Vanadium     ppm     ASTM D5185m     >20     0     0     <1     1       Vanadium     ppm     ASTM D5185m     >20     0     0     <1     1       Vanadium     ppm     ASTM D5185m     >20     0     0     <1     1       Vanadium     ppm     ASTM D5185m     >15     0     0     <1     16       Vellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Valter     WC Method     >0.05     NEG     NEG     NEG     167       Particles >4µm     ASTM D7647     >20     16     22     4     2     6     1 <tr< th=""><th></th><th>ppm</th><th></th><th>&gt;20</th><th>-</th><th></th><th>&lt;1</th></tr<>		ppm		>20	-		<1
Aluminum     ppm     ASTM D5185m     >20     0     0     2       Lead     ppm     ASTM D5185m     >20     0     0     0     0       Copper     ppm     ASTM D5185m     >20     0     0     <1       Tin     ppm     ASTM D5185m     >20     0     0     <1       Vanadium     ppm     ASTM D5185m     >20     0     0     <1       White Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Water     WC Method     >0.05     NEG     NEG     NEG       Particles >4µm     ASTM D7647     >60     635     745     167       Particles >6µm     ASTM D7647     >20     16     22     4       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleantiness     ISO 4406 (c)     >161/111     17/15/12     15/13/9		ppm			-		
Lead     ppm     ASTM D5185m     >20     0     0     0       Copper     ppm     ASTM D5185m     >20     0     0     <1       Tin     ppm     ASTM D5185m     >20     0     0     <1       Vanadium     ppm     ASTM D5185m     >20     0     0     <1     <1       White Metal     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m<>15     0     0     <1        Patisles >4µm     ASTM D7647     >640     635     745     167       Particles >4µm     ASTM D7647     >20     16     22     4       Particles >4µm     ASTM D7647     >3     0     0     0       Particles >4µm     ASTM D7647     >3     0     0     0       Ol Cleanliness     IS0 4406 (c)     161/15/11     17/15/1		ppm			÷		
Copper     ppm     ASTM D5185m     >20     0     0     <1		ppm			-		
Tin     ppm     ASTM D5185m     >20     0     0     <1					÷		÷
Vanadium     ppm     ASTM D5185m     0     <1		ppm			-		
White Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m     >15     0     0     <1       Potassium     ppm     ASTM D5185m     >20     2     0     1       Water     WC Method     >0.05     NEG     NEG     NEG       Particles >4µm     ASTM D7647     >640     635     745     167       Particles >51µm     ASTM D7647     >4     2     6     1       Particles >21µm     ASTM D7647     >3     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0       Oli Cleanliness     ISO 4406 (c)     >16/14/11     16/15/11     17/15/12     15/13/9       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Sadt/Dirt     scalar     *Visual     NORE     NORML     NORML     NORML </th <th></th> <th></th> <th></th> <th>&gt;20</th> <th>-</th> <th></th> <th></th>				>20	-		
Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m     >15     0     0     <1       Potassium     ppm     ASTM D5185m     >20     2     0     1       Water     WC Method     >0.05     NEG     NEG     NEG       Particles >4µm     ASTM D7647     >640     635     745     167       Particles >6µm     ASTM D7647     >160     221     278     47       Particles >14µm     ASTM D7647     >20     16     22     4       Particles >38µm     ASTM D7647     >3     0     0     0       Particles >38µm     ASTM D7647     3     0     0     0     0       Oll Cleanliness     IS0 4406 (c) >161/411     16/15/11     17/15/12     15/13/9     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Appearance     scalar     *Visual <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></td<>					-		
Silicon     ppm     ASTM D5185m     >15     0     0     <1							
Potassium     ppm     ASTM D5185m     >20     2     0     1       Water     WC Method     >0.05     NEG     NEG     NEG       Particles >4µm     ASTM D7647     >640     635     745     167       Particles >6µm     ASTM D7647     >160     221     278     47       Particles >14µm     ASTM D7647     >20     16     22     4       Particles >21µm     ASTM D7647     >3     0     0     0       Particles >38µm     ASTM D7647     >3     0     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0     0       Silt     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NORM     NORM     NORM     NORM     NORM       Appearance     scalar     *Visual     NORM     NORM <t< th=""><th>Yellow Metal</th><th>scalar</th><th>*Visual</th><th>NONE</th><th>NONE</th><th>NONE</th><th>NONE</th></t<>	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Potassium     ppm     ASTM D5185m     >20     2     0     1       Water     WC Method     >0.05     NEG     NEG     NEG       Particles >4µm     ASTM D7647     >640     635     745     167       Particles >6µm     ASTM D7647     >160     221     278     47       Particles >14µm     ASTM D7647     >20     16     22     4       Particles >21µm     ASTM D7647     >3     0     0     0       Particles >38µm     ASTM D7647     >3     0     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0     0       Silt     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NORM     NORM     NORM     NORM     NORM       Appearance     scalar     *Visual     NORM     NORM <t< th=""><th>Silioon</th><th>nnm</th><th>ACTM DE105m</th><th>. 15</th><th>0</th><th>0</th><th>.1</th></t<>	Silioon	nnm	ACTM DE105m	. 15	0	0	.1
Water     WC Method     >0.05     NEG     NEG     NEG       Particles >4µm     ASTM D7647     >640     635     745     167       Particles >6µm     ASTM D7647     >160     221     278     47       Particles >14µm     ASTM D7647     >20     16     22     4       Particles >21µm     ASTM D7647     >3     0     0     0       Particles >38µm     ASTM D7647     >3     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Appearance     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML </th <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>					-		
Particles >4µm     ASTM 07647     >640     635     745     167       Particles >6µm     ASTM 07647     >160     221     278     47       Particles >14µm     ASTM 07647     >20     16     22     4       Particles >21µm     ASTM 07647     >4     2     6     1       Particles >38µm     ASTM 07647     >3     0     0     0       Particles >71µm     ASTM 07647     >3     0     0     0       Particles >71µm     ASTM 07647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >16/14/11     16/15/11     17/15/12     15/13/9       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NORE     NORE       Appearance     scalar     *Visual     NORML     NORML     NORML     NORML     NORML       Odo     scalar     *Visual     NOR     NORM     NORM		ррп			_	-	
Particles >6μm     ASTM D7647     >160     221     278     47       Particles >14μm     ASTM D7647     >20     16     22     4       Particles >21µm     ASTM D7647     >4     2     6     1       Particles >38µm     ASTM D7647     >3     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >161411     17/15/12     15/13/9       Silt     scalar     *Visual     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NONE     NONE     NORML     NORL       Appearance     scalar     *Visual     NORML     NORML     NORML     NORML     NORML       Goron     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Barium     ppm     ASTM D5185m     5     <1     0     0 <tr< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr<>							
Particles >14µm     ASTM D7647     >20     16     22     4       Particles >21µm     ASTM D7647     >4     2     6     1       Particles >38µm     ASTM D7647     >3     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0     0       Oil Cleanliness     ISO 4406 (c)     >16/14/11     16/15/11     17/15/12     15/13/9       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NONE     NORML     NORML     NORE     NORE       Appearance     scalar     *Visual     NORML							
Particles >21µm     ASTM D7647     >4     2     6     1       Particles >38µm     ASTM D7647     >3     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >16/14/11     16/15/11     17/15/12     15/13/9       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Appearance     scalar     *Visual     NORML     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Debris     scalar     *Visual     >0.05     NEG     NEG     NEG       Appearance     scalar     *Visual     >0.05     NEG     0     0       Ddor </th <th></th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th>						-	
Particles >38µm     ASTM D7647     >3     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >16/14/11     16/15/11     17/15/12     15/13/9       Silt     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NOR     NORML     NORML     NORE     NONE       Appearance     scalar     *Visual     NORML     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     >0.05     NEG     NEG     NEG       Sodium     ppm     ASTM D5185m     5     0     0     0       Boron     ppm     ASTM D5185m     5     0     <1     1 <tr< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></tr<>					-		
Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >16/14/11     16/15/11     17/15/12     15/13/9       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Appearance     scalar     *Visual     NORML     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NORML     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     >0.05     NEG     NEG     NEG       Sodium     ppm     ASTM D5185m     5     0     0     0       Boron     ppm     ASTM D5185m     5     0     <1     1       Manganese     ppm     ASTM D5185m     5     0     <1     1					_		
Oil CleanlinessISO 4406 (c)>16/14/1116/15/1117/15/1215/13/9Siltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGSodiumppmASTM D5185m5<100BoronppmASTM D5185m50<11ManganeseppmASTM D5185m50<11MagnesiumppmASTM D5185m200606158PhosphorusppmASTM D5185m370450438442SulfurppmASTM D5185m25001006947849Acid Number (AN)mg KOHgASTM D50450.570.230.220.26					-		÷
Siltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGSodiumppmASTM D5185m5<100BoronppmASTM D5185m5000BariumppmASTM D5185m50<11ManganeseppmASTM D5185m50<11MagnesiumppmASTM D5185m200606158PhosphorusppmASTM D5185m370450438442SulfurppmASTM D5185m25001006947849Acid Number (AN)mg KOHgASTM D80450.570.230.220.26					-		Ű
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGSodiumppmASTM D5185m5<100BoronppmASTM D5185m5000BariumppmASTM D5185m50<11ManganeseppmASTM D5185m50<11MagnesiumppmASTM D5185m200606158PhosphorusppmASTM D5185m370450438442SulfurppmASTM D5185m25001006947849Acid Number (AN)mg KOHgASTM D80450.570.230.220.26		scalar	( )				
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGSodiumppmASTM D5185m2<10BoronppmASTM D5185m5000BariumppmASTM D5185m50<11ManganeseppmASTM D5185m50<11ManganeseppmASTM D5185m25425CalciumppmASTM D5185m20060061158PhosphorusppmASTM D5185m370450438442SulfurppmASTM D5185m25001006947849Acid Number (AN)mg KOHgASTM D50850.570.230.220.26					-		
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGSodiumppmASTM D5185m2<10BoronppmASTM D5185m5<100BariumppmASTM D5185m50<11ManganeseppmASTM D5185m50<11MagnesiumppmASTM D5185m25425CalciumppmASTM D5185m20060061158PhosphorusppmASTM D5185m370450438442SulfurppmASTM D5185m25001006947849Acid Number (AN)mg KOHgASTM D80450.570.230.220.26							
Odorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGSodiumppmASTM D5185m2<10BoronppmASTM D5185m5<100BariumppmASTM D5185m5000MolybdenumppmASTM D5185m50<11ManganeseppmASTM D5185m25425CalciumppmASTM D5185m20060061158PhosphorusppmASTM D5185m3003653300314ZincppmASTM D5185m370450438442SulfurppmASTM D5185m2501006947849Acid Number (AN)mg KOHgASTM D80450.570.230.220.26					-		
Emulsified Water     scalar     *Visual     >0.05     NEG     NEG     NEG       Sodium     ppm     ASTM D5185m     2     <1     0       Boron     ppm     ASTM D5185m     5     <1     0     0       Barium     ppm     ASTM D5185m     5     0     0     0       Malganese     ppm     ASTM D5185m     5     0     <11     1       Manganese     ppm     ASTM D5185m     5     4     2     5       Calcium     ppm     ASTM D5185m     200     600     61     58       Phosphorus     ppm     ASTM D5185m     300     365     330     314       Zinc     ppm     ASTM D5185m     370     450     438     442       Sulfur     ppm     ASTM D5185m     2500     1006     947     849       Acid Number (AN)     mg KOHg     ASTM D8045     0.57     0.23     0.22     0.26				-			
Sodium     ppm     ASTM D5185m     2     <1					-		
Boron     ppm     ASTM D5185m     5     <1							
Barium     ppm     ASTM D5185m     5     0     0     0       Molybdenum     ppm     ASTM D5185m     5     0     <1     1       Manganese     ppm     ASTM D5185m     25     4     2     5       Calcium     ppm     ASTM D5185m     200     60     61     58       Phosphorus     ppm     ASTM D5185m     300     365     330     314       Zinc     ppm     ASTM D5185m     370     450     438     442       Sulfur     ppm     ASTM D5185m     2500     1006     947     849       Acid Number (AN)     mg KOHg     ASTM D8045     0.57     0.23     0.22     0.26	Sodium	ppm	ASTM D5185m		2	<1	0
Molybdenum     ppm     ASTM D5185m     5     0     <1		ppm	ASTM D5185m	5	<1	0	0
Manganese     ppm     ASTM D5185m     <1		ppm			0	0	0
Magnesium     ppm     ASTM D5185m     25     4     2     5       Calcium     ppm     ASTM D5185m     200     60     61     58       Phosphorus     ppm     ASTM D5185m     300     365     330     314       Zinc     ppm     ASTM D5185m     370     450     438     442       Sulfur     ppm     ASTM D5185m     2500     1006     947     849       Acid Number (AN)     mg KOH/g     ASTM D8045     0.57     0.23     0.22     0.26		ppm	ASTM D5185m	5			1
Calcium     ppm     ASTM D5185m     200     60     61     58       Phosphorus     ppm     ASTM D5185m     300     365     330     314       Zinc     ppm     ASTM D5185m     370     450     438     442       Sulfur     ppm     ASTM D5185m     2500     1006     947     849       Acid Number (AN)     mg KOH/g     ASTM D8045     0.57     0.23     0.22     0.26		ppm					
Phosphorus     ppm     ASTM D5185m     300     365     330     314       Zinc     ppm     ASTM D5185m     370     450     438     442       Sulfur     ppm     ASTM D5185m     2500     1006     947     849       Acid Number (AN)     mg KOH/g     ASTM D8045     0.57     0.23     0.22     0.26		ppm					
Zinc     ppm     ASTM D5185m     370     450     438     442       Sulfur     ppm     ASTM D5185m     2500     1006     947     849       Acid Number (AN)     mg KOH/g     ASTM D8045     0.57     0.23     0.22     0.26		ppm					
Sulfur     ppm     ASTM D5185m     2500     1006     947     849       Acid Number (AN)     mg KOH/g     ASTM D8045     0.57     0.23     0.22     0.26		ppm					
Acid Number (AN) mg KOH/g ASTM D8045 0.57 0.23 0.22 0.26							
Visc @ 40°C cSt ASTM D445 68 66.5 67.0 67.9							
	Visc @ 40°C	cSt	ASTM D445	68	66.5	67.0	67.9



\* - 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)

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